

REPORT
OF THE
NINETEENTH INDUSTRIAL EXHIBITION
MECHANICS' INSTITUTE,
San Francisco.

DAVID KERR

REPORT
OF THE
NINETEENTH
INDUSTRIAL EXHIBITION
OF THE
MECHANICS' INSTITUTE
OF THE
CITY OF SAN FRANCISCO,

HELD AT THE MECHANICS' PAVILION, FROM THE 5TH DAY OF AUGUST
TO THE 6TH DAY OF SEPTEMBER, INCLUSIVE, 1884.



SAN FRANCISCO :
P. J. THOMAS, PRINTER, 505 CLAY STREET,
1885.

BOARD OF MANAGERS

—OF THE—

Nineteenth Industrial Exhibition

MECHANICS' INSTITUTE, 1884.

P. B. CORNWALL,	-	-	-	-	-	President
DAVID KERR,	-	-	-	-	-	Vice President
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A. W. STARBIRD,
C. F. BASSETT,
BYRON JACKSON,
JAS. PENDERGAST,
GEORGE H. HOPPS,

C. WATERHOUSE,
D. A. MACDONALD,
GEORGE SPAULDING,
JAMES SPIERS,
W. P. STOUT,

S. J. HENDY.

J. H. CULVER, Secretary.

J. H. GILMORE, Superintendent.

STANDING COMMITTEES.

<i>Auditing,</i>	-	-	-	-	-	WATERHOUSE, STARBIRD, JACKSON
<i>Building,</i>	-	-	-	-	-	MACDONALD, HOPPS, STARBIRD
<i>Circulars and Classification,</i>	-	-	-	-	-	JACKSON, BASSETT, HENDY
<i>Printing and Advertising,</i>	-	-	-	-	-	SPAULDING, BASSETT, STOUT
<i>Power and Machinery,</i>	-	-	-	-	-	SPIERS, HENDY, KERR
<i>Rules, Regulations and Awards,</i>	-	-	-	-	-	STARBIRD; PENDERGAST, SPAULDING
<i>Tickets and Admissions,</i>	-	-	-	-	-	STOUT, KERR, BASSETT
<i>Music, Decoration and Art,</i>	-	-	-	-	-	BAUER, HOPPS, STARBIRD
<i>Privileges,</i>	-	-	-	-	-	KERR, STOUT, SPIERS
<i>Location and Police,</i>	-	-	-	-	-	PENDERGAST, SPAULDING, MACDONALD
<i>Horticulture,</i>	-	-	-	-	-	HOPPS, JACKSON, SPAULDING
<i>Gas and Water,</i>	-	-	-	-	-	HENDY, WATERHOUSE, SPIERS
<i>Special Exhibits,</i>	-	-	-	-	-	BASSETT, STOUT, HOPPS

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REPORT OF THE BOARD OF MANAGERS
OF THE
NINETEENTH
INDUSTRIAL EXHIBITION
OF THE
MECHANICS' INSTITUTE, 1884.

To the Members of the Mechanics' Institute :

WE have the honor and pleasure to report that the success of the Nineteenth Industrial Exhibition of the Mechanics' Institute has been equal to our expectations, the net profit to the Society being considerably greater than last year, notwithstanding the large expense incurred by extensive repairs to the boilers and placing a fine fountain in the main hall, the first being a necessity and the last, in our judgment, a needed ornamental feature.

The handsome profit derived each year from these Fairs is an important factor in the prosperity of the Institute, and we trust will soon enable it to put in practical form *all* the objects of the Association set forth in the Constitution, which lack of funds has so far prevented.

We deem it advisable at the next Exhibition to commence the formation of a Museum and a collection of articles for a permanent cabinet.

The reduction in price of tickets to members of the Institute in good standing appears to have been a wise proceeding, as the Librarian's report shows a marked and permanent increase from that cause.

The additional space gained by flooring over a portion of the garden was none too much for the wants of exhibitors; and we have no doubt that at an early day still further room will be required.

By experience, we find that each succeeding Fair requires change in the government from the one that preceded it, and therefore we can only recommend for the future, as in the past, the endeavor of the Institute and its managers be to make these Expositions an exponent of invention, mechanical art, natural products and all else that may be for the advancement of labor and the permanent prosperity of this coast and our citizens.

TREASURER'S STATEMENT OF TICKETS SOLD, AND RECEIPTS AT THE DOOR.

MECHANICS' INSTITUTE, SEPT. 8th, 1884.

To the President and Board of Managers of the Nineteenth Industrial Exhibition:

GENTLEMEN:—I herewith submit my Report of the Receipts at the door, on account of the Nineteenth Industrial Exhibition, showing each class of tickets sold.

1884.		DOUBLE SEASON TICKETS.	SINGLE SEASON TICKETS.	CHILDREN'S SEASON TICKETS.	APPRENTICES' SEASON TICKETS.	ADULT SINGLE ADMISSION TICKETS.	CHILDREN'S SINGLE ADMISSION TICKETS.	AMOUNT.
August	5.....	289	59	77	42	195	16	\$1,902 00
"	6.....	239	56	43	31	367	25	1,663 75
"	7.....	164	25	34	30	486	46	1,245 50
"	8.....	169	28	24	23	638	98	1,343 00
"	9.....	237	58	37	44	2231	302	2,671 50
"	11.....	108	18	11	23	1029	122	1,190 00
"	12.....	97	9	2	15	1507	136	1,325 00
"	13.....	79	21	11	13	1789	220	1,443 50
"	14.....	49	8	10	6	1636	150	1,148 50
"	15.....	40	12	5	7	1952	225	1,286 25
"	16.....	39	10	6	5	4458	635	2,629 25
"	18.....	23	7	1	3	1617	174	994 00
"	19.....	14	5	2	2	1827	177	1,048 75
"	20.....	12	2	1	1	2333	199	1,283 75
"	21.....	5	3	1	1	1804	149	974 75
"	22.....	3	1	3	3	1634	167	882 75
"	23.....	7	2	1	1	4455	562	2,412 00
"	25.....	.....	2	1	1	1277	89	668 25
"	26.....	1	.....	.....	.....	1640	136	860 50
"	27.....	2	2	.....	.....	2948	185	1,536 25
"	28.....	1	1	.....	.....	1904	151	997 75
"	29.....	.....	2	.....	.....	1611	147	848 25
"	30.....	1	.....	.....	.....	4212	494	2,234 50
September	1.....	2	1	.....	.....	1315	122	701 00
"	2.....	.....	.....	.....	.....	1613	116	835 50
"	3.....	.....	.....	.....	.....	3286	248	1,705 00
"	4.....	.....	.....	.....	.....	2996	221	1,553 25
"	5.....	.....	.....	.....	.....	2460	200	1,280 00
"	6.....	.....	.....	.....	.....	3827	400	2,013 50
		1,581	332	266	251	59,047	5,912	\$40,678 00

Respectfully submitted,

J. A. BAUER, Treasurer.

Report of the Ticket Committee.

ACCOUNT OF TICKETS SOLD.

NINETEENTH INDUSTRIAL EXHIBITION 1884.	DOUBLE SEASON \$5 00	DOUBLE SEASON TO MEMBERS \$2 50	SINGLE SEASON \$3 00	SINGLE SEASON TO MEMBERS. \$1 50.	CHILD'S SEASON \$1 50	APPRENTICES' SEASON \$1 50.	ADULT SINGLE ADMISSION 50 cts.	CHILDREN SINGLE ADMISSION 25 cts.	ADULT EXCURSION 25 cts.	CHILD EXCURSION 12½ cts.	AMOUNT.
Ticket Office...	1581	.....	332	.....	266	251	59,047	5912	.....	.....	\$40,678 00
Outside Sales...	712	.....	114	.....	27	156	175	.....	1464	120	4,645 00
Sold to Members at Library....	.....	1096	.....	71	.....	.....	.....	.....	.....	.....	2,846 50

Total..... \$48,169 50

Deduct Commission Outside Sales..... 151 10

\$48,018 40

RECAPITULATION.

2,293 Double Season Tickets @ \$5 00.....	\$11,465 00
1,096 " " " to Members @ \$2 50.....	2,740 00
446 Single " " @ 3 00.....	1,338 00
71 " " " to Members @ 1 50.....	106 50
293 Children " " @ 1 50.....	439 50
407 Apprentice " " @ 1 50.....	610 50
59,222 Adult Single Admission Tickets @ 50 cts.....	29,611 00
5,912 Children " " " @ 25 cts.....	1,478 00
1,464 Adult Excursion " @ 25 cts.....	366 00
120 " " " @ 12½ cts.....	15 00

\$48,169 50

DEDUCT—Commission..... 151 10

\$48,018 40

Respectfully submitted,

W. P. STOUT,
DAVID KERR,
C. F. BASSETT, } Ticket Committee

REPORT OF THE FINANCE COMMITTEE.

EXPENDITURES.

ADVERTISING—

Abend Post.....	\$15 00
Alta.....	91 00
American Legion of Honor.....	4 00
Argonaut.....	10 00
Argus.....	5 00
Art Age.....	5 00
Bates Bros	15 00
Breeder and Sportsman.....	5 00
Bulletin (Evening).....	117 20
Call (Daily).....	89 00
Call (Weekly).....	3 00
California Journal.....	5 00
California Demokrat.....	15 00
California Farmer.....	5 00
California Patron.....	4 50
Chinese Commercial.....	5 00
Chinese News	5 00
Christian Advocate.....	3 00
Chronicle, S. F.....	116 80
Commercial Herald.....	4 00
Commercial News.....	10 00
Courrier de San Francisco.....	14 00
Daily Exchange.....	15 00
Daily Press.....	65 00
Daily Report... ..	70 00
Dunphy & Co. (bill posting).....	75 00
Examiner	96 00
Fair Daily.....	150 00
Figaro.....	10 00
Fraternal Record.....	4 00
Golden Era.....	4 00
Grocer and Country Merchant.....	4 00
Hayes Valley Advertiser.....	5 00
Hebrew.....	5 00
Hebrew Observer.....	5 00
Hemisphere.....	5 00
Hoen Hong (posters).....	6 50
Hotel Gazette.....	20 00
Humorist.....	5 00
Ingleside.....	8 00
Independent Order Chosen Friends Record....	4 00
Carried forward.....	\$1,103 00

FINANCIAL REPORT.

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<i>Brought forward</i>	\$1,103 00
Jewish Times.....	5 00
Jewish Progress.....	5 00
Journal of Commerce.....	19 00
Knights of Honor Record.....	4 00
L'Elvezia.....	5 00
L'Independente.....	5 00
La Republica.....	5 00
La Sociedad.....	5 00
La Voce del Popolo.....	5 00
La Voce del Nueva Mundo....	5 00
Law Journal.....	10 00
Le Petit Journal.....	5 00
Masonic Record.....	4 00
Merchant (S. F.).....	5 00
Monson, F. C. (bill posting).....	7 50
Monitor.....	5 00
Music and Drama.....	20 00
News Letter.....	10 00
New Age.....	5 00
Oakland Times.....	12 00
Oakland Tribune..	15 00
Occident.....	3 00
Pacific.....	3 00
Pacific Churchman.....	3 00
Pacific Life.....	5 00
Pacific Methodist.....	3 00
Pacific Pilote.....	3 00
Pacific States Watchman.....	6 00
Postal Index.....	5 00
Programme Publishing Co.....	30 00
Post (Evening).....	84 00
Public Opinion.....	5 00
Pythian Record.....	4 00
Ranch, Field and Fireside.....	5 00
Rescue.....	5 00
Resources of California.....	10 00
Record-Union.....	22 50
Rural Press.....	12 50
Sacramento Bee.....	15 00
Scientific Press.....	12 50
Spirit of the Times.....	10 00
Stillwell & Son (bill posting).....	11 00
Telegraph Hill Programme.....	2 50
Wasp.....	15 00
<i>Carried forward</i>	\$1,539 50

NINETEENTH INDUSTRIAL EXHIBITION.

<i>Brought forward</i>	\$1,539 50	
Weekly Star.....	5 00	
Wine and Tobacco Journal.....	5 00	
Wood and Iron.....	5 00	
Valkeryn.....	4 00	
Voz de Portugueza.....	4 00	
		<hr/>
		\$1,562 50
ART DEPARTMENT—		
Butler & Haldan, insurance.....	\$60 00	
Cohen, H., cartage.....	52 25	
Docendorf, E., cartage.....	15 50	
Fireman's Fund, insurance.....	77 65	
Gump, S. & G., repairs to frames.....	2 25	
Martin, J. R., paid for labor.....	24 50	
Oakland Express, cartage.....	2 50	
Salaries, hanging pictures.....	86 00	
Snow & Co., moving and hanging picture.....	34 50	
Streule, W. A., cartage.....	10 00	
Sun Insurance Co., insurance.....	49 55	
		<hr/>
		\$414 70
BUILDING—		
Carpenters' wages.....	\$81 50	
Holmes, H. T., plaster.....	3 75	
Joost Bros., hardware.....	18 79	
Laborers' wages.....	354 88	
Le Barge, painting, whitening, etc.....	564 07	
Miller & Hamilton, mill work.....	25 35	
Schafer, G. Obadiah, carpenter work.....	19 31	
Sullivan & Ravekes, paints, oil and glass.....	9 65	
Wells, Russell & Co., mouldings.....	75	
Whittier, Fuller & Co., glass.....	2 50	
		<hr/>
		\$1,080 55
DECORATION—		
Corrinson, Isaac, labor.....	\$30 00	
Helmken & Lachman, hardware.....	13 40	
Holmes, H. T., lime and sand.....	12 00	
Murphy, Misses, sewing.....	26 00	
Secretary, cartage.....	1 00	
Sievers, J. H., plants for fountain.....	40 00	
Strauss, Levi & Co., cloth.....	314 47	
Smith, C. H., flag and repairing.....	56 50	
Waizman, M., cut pasteboard.....	2 00	
Wells, F. Marion, statuary for fountain..	645 00	
Whittier, Fuller & Co., bronze.....	5 00	
		<hr/>
		\$1,145 37

FINANCIAL REPORT.

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EXPENSE—

Amphion Quartette.....	\$40 00
Armes & Dallam, brooms and dusters.....	20 30
Bauer, J. A., keys and cartage.....	3 25
Crocker, H. S. & Co., ticket punches.....	14 00
Electrical Supply Co., repairs to gongs, etc....	38 25
Goodyear Rubber Co., hose.....	6 55
Harper, L., repairing chairs.....	66 00
Hillman, James, U. S. Boiler Inspector.....	20 00
Jackson, Andrew, electric engine and car.....	150 00
Kraker & Israel, embroidery loom.....	300 00
Mercantile Exchange, carp for fountain.....	12 00
Miller, J. M., rent of show cases.....	31 00
Pac. Bell Telephone.....	50 15
Perly, A. G., sprinkling streets.....	100 00
Rodgers, H., rent of opera house.....	100 00
Roden, A. G., horse hire.....	2 50
Schroth, J., press reception.....	61 85
Secretary, sundry expenses.....	247 87
Tweedale, T. S., expenses at Pavilion....	12 55
United Carriage Co., opening exercises.....	6 50
Wells, Russell & Co., dirt box	2 50
Whittier, Fuller & Co., glass and glazing	10 00

\$1,295 27

GARDEN—

Saywell, Thomas, plants.....	\$6 00
Saywell, Thomas, labor.....	6 00

\$12 00

LIGHTING—

Bush & Mallett, gas-fitting, etc.....	\$85 00
California Electric Light Co., electric light....	232 00
Garratt, W. T., pipe and fittings.....	12 89
Gas-fitters' wages.....	608 00
Lawson, J. C., pipe and galvanized iron.....	28 58
Sullivan & Ravekes, alcohol	12 50
United Gas Improvement Co., 797,700 ft. gas	
@ \$1.40 P. M.....	1,116 75

\$2,095 72

MACHINERY—

Buckley, J. A., brick-work for boilers.....	\$ 35 00
Chandler, R. D., $76\frac{1}{2}\frac{2}{4}\frac{0}{0}$ tons coal @ \$8.50....	650 70
Dunham, Carrigan & Co., machinery supplies.	47 01
Dunham, Carrigan & Co., boiler tubes.....	460 80

Carried forward..... \$1,193 51

NINETEENTH INDUSTRIAL EXHIBITION.

<i>Brought forward</i>	\$1,193 51
Fulton Foundry, machine work.....	122 26
Garratt, W. T., steam fittings.....	15 05
Llewellyn Condenser Co., repairs to heater. . .	2 45
Sullivan & Ravekes, lard oil	5 00
Wages: machinists, boilermakers and laborers..	430 55
Wells, Russell & Co., tanks	12 50

\$1,781 32

MUSIC—

Schultz, Charles, 22 men, 29 days.....	\$2,426 35
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PREMIUMS—

Britton & Rey, diplomas.....	\$50 00
Cash Awards, amateur floral exhibits.....	60 00
Cash Awards, floral days.....	1,090 00
Cash Awards, paintings.....	600 00
Martin, J. R., expense of Eastern paintings....	500 00
Muhs, A., medal boxes.....	163 75
Meyer, Wm. & Co., plants and flowers.....	150 00
Secretary, petty expenses.....	6 00
Sievers, J. H., plants and flowers.....	150 00
Southern, T. R., engrossing diplomas.....	25 00
Wenzel, Rothschild & Hadenfeldt, medals and engraving.....	2,328 00

\$5,122 75

PRINTING—

Barry, Baird & Co., cards and application for space	\$41 00
Bartling & Kimball, receipts and order-books..	17 50
Cubery & Co., tickets, circulars and invitations.	74 75
Eastman, Frank & Co., premium list.....	69 50
Francis & Valentine, posters.....	72 00
Murdock, C. A. & Co., tickets, letter-heads and circulars.....	169 25
Secretary, cards.....	3 00
Sterrett, B. F., circulars, cards and tickets....	97 50
Thomas, P. J., art gallery catalogues and printing.....	294 75
Thomas, P. J., 1,000 copies Report of Exhibi- tion.....	280 00
Women's Co-operative Printing Office, circulars	6 00

\$1,125 25

SALARIES—

Wages: superintendent, secretary, janitor, en- gineer, clerks and watchmen.....	\$6,735 40
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STATIONERY—

Bancroft, A. L. & Co., paper, ink, etc.....	\$14 60
Langley, H. G., Directory...	5 00
Secretary: stamps, envelopes and petty ex- penses.....	123 75

\$143 35

WATER—

Spring Valley Water Works, water for four and five-sixth weeks @ \$100 $\frac{2}{3}$ week.....	483 35
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\$25,423 88

RECAPITULATION OF EXPENSES.

Advertising	\$1,562 50
Art Department.....	414 70
Building	1,080 55
Decorations.....	1,145 37
Expense.....	1,295 27
Garden.. ..	12 00
Lighting....	2,095 72
Machinery.....	1,781 32
Music.....	2,426 35
Premiums.....	5,122 75
Printing.....	1,125 25
Salaries.....	6,735 40
Stationery ...	143 35
Water... ..	483 35

\$25,423 88

PROFIT AND LOSS.

REVENUE—

Sale of tickets.....	\$48,018 40
Sale of privileges.....	4,518 50
Sale of catalogues	348 95
Sale of old boiler tubes.....	144 00
Gas used by exhibitors.....	187 00
Donation Market St. Cable Railway.....	150 00

\$53,366 85

EXPENDITURES—

As above.....	\$25,423 88
Transferred to the Mechanics' Institute.....	27,942 97

\$53,366 85

Respectfully submitted,

COLUMBUS WATERHOUSE,
A. W. STARBIRD,
BYRON JACKSON,

COMMITTEE.

PRELIMINARY ANNOUNCEMENT

THE following circular, prepared by the Committee, was generally distributed in the City and throughout the State:

Nineteenth Industrial Exhibition

OF THE

MECHANICS' INSTITUTE.

THE advantages of Fairs are obvious to every reflecting mind, and in no quarter of the globe do they promise more than in this city, where so much may be accomplished by the dissemination of correct information relative to our natural and artificial resources. Besides exciting emulation, extending practical knowledge in all branches of art, they suggest ideas to ingenious minds, stimulate talent, and promote intercourse among producers and their patrons, and the general result is to establish a prosperous and enlightened population.

The exhibition of the Mechanics' Institute this year will be inaugurated with new and increased attractions taken from the world of Art, Invention, Mechanical Progress and the Natural Products of the Pacific Coast.

There can be no better time nor place than this Fair affords to bring before the public for pride, profit, sale or admiration, any article, natural or manufactured, from the crude paint and oil of our wholesale dealers to the finished canvas of our gifted artists; from our wool and silk cocoons to the finished fabrics of each; from iron and other ores through various stages until they appear in the mighty engine, the intricate watch or the polished knife blade; or our beautiful native woods, from the rough board to the carved and finished article for use or ornament. All these interesting objects will no doubt have their place to please and instruct the visitor.

Premiums of Gold, Silver and Bronze Medals and Cash will be awarded as set forth in the Premium List.

7,500 additional feet of space will be added to the main floor for the display of machinery, which will be unusually attractive.

A grand fountain and cascade of original design, thirty feet in height, will be erected in the center of the main nave, adding greatly to the general effect.

The Art Galleries are to be remodeled and improved in regard to natural light, and the display of paintings by home and foreign artists will far exceed anything before seen in this city.

A grand instrumental concert will be rendered each afternoon and evening by the best obtainable musical talent on this coast, under the leadership of a popular and experienced conductor.

Ample power, steam and water, in reasonable quantities, will be furnished free.

Every possible convenience for the pleasure and comfort of visitors will be supplied. A large and powerful elevator will convey visitors and goods to the second floor.

Those who intend to be exhibitors are earnestly requested to apply at once for space, or signify their intention of so doing.

Any required information may be obtained from the Secretary, who will furnish upon application a copy of the premium list, rules and regulations, and blank application for space.



RULES AND REGULATIONS
OF THE
NINETEENTH
INDUSTRIAL EXHIBITION.

RULE I.

THE Pavilion will be opened for the reception of goods on and after Monday, July 28th.

The exhibition will open to the public on Tuesday, August 5th, and continue open from day to day, (Sunday excepted) until Saturday, September 6th. Hours of admission will be from 10 A. M. to 5 P. M. and 7½ to 10 P. M., except Saturdays, when the exhibition will open at 10 A. M. and 7 P. M., and close at 10½ P. M.

RULE II.

Articles can be entered for exhibition or competition, as desired.

If entered for competition, the articles must be in position and receipted for, and the entry tag attached, not later than Friday, August 8th.

Articles intended by the exhibitor for competition, but not entered and in position by the time specified, to wit, August 8th, shall not under any circumstances, be allowed to compete, except with the written consent of all the contesting exhibitors and sanction of the Board.

RULE III.

The driving engine will be in operation three days previous to the opening, and exhibitors of machinery in motion will be required to have their machines in running order on the opening day.

RULE IV.

No charge of any kind will be made to exhibitors for space. Steam and water will also be furnished free, in reasonable quantities; but all platforms, counters, ornamental partitions, show-cases and appurtenances must be erected at the expense of exhibitor.

RULE V.

Applications for space can be made at any time, and should be made as early as possible, and at least two weeks previous to the opening of the exhibition.

Blank forms of the applications for space will be furnished by the Secretary.

Space will be awarded as early as practicable (after the application has been received), consistent with the proper arrangement of the goods.

Space allotted to applicants, and not taken possession of by the arrival of their goods, or otherwise, on or before Friday, August 8th, may be assigned to other exhibitors.

The Board reserves the right to exclude from the exhibition all things they deem objectionable, as nostrums, articles of an explosive, inflammable, dangerous, or offensive character.

Any exhibit of goods which, in the opinion of the Board of Managers, is of an improper or objectionable character, may, at the option of said managers, be removed at any time.

The Board of Managers reserve the right to refuse admission to any exhibitor or employee whom they may consider an improper person, or for other sufficient cause; and also to remove the goods of such exhibitor.

RULE VI.

Exhibitors will receive from the entry clerk, on the arrival of their goods, a receipt for the same, which must be presented for their delivery at the close of the exhibition. Articles entered for exhibition or competition must be so designated in the receipt.

RULE VII.

There shall be three or more jurors in each class.

They will be men wholly disinterested, and possessed of knowledge and experience in the class of articles assigned them.

Articles entered only for exhibition shall be so reported by the jurors, and so appear in the report of the exhibition.

Jurors may refuse to award any premium when articles competing are not meritorious.

In every case where the jurors have reached a decision, they shall file with the Secretary a report, giving the name of the exhibitors, the articles examined, and the number of the class in which it is entered.

In cases where it is not practicable for jurors to test or examine machines in the building, or where models only are exhibited, they may go outside the buildings to make such examination or test, but the jurors must first procure from the Board of Managers a written consent, which must be attached to their award when filed with the Secretary.

Jurors in each class will hold a meeting before making their final report, at which time exhibitors in the class will be invited to attend and explain the merits of their respective exhibits, under such rules as may be prescribed by the Committee on Rules, Regulations and Awards.

Should any juror, for any reason, before entering upon the examination, or while in progress, become incapacitated from serving, the Board shall select another juror.

All awards and recommendations of jurors must be submitted to the Board of Managers, on or before August 23d; and receive their approval before being final.

RULE VIII.

The announcement of awards will be made by the Board of Managers, on Monday, September 1st. Successful competitors will be furnished with a certificate of their award on that date.

RULE IX.

Power will be furnished for driving machinery from the main lines of shafting, which are 2.15-16 inches in diameter, and will make about 110 revolutions per minute. Driving pulleys, 30

inches in diameter will be furnished free to exhibitors. Pulleys, for the main line, if furnished by exhibitors, must be accurately balanced, and have the owner's name plainly marked thereon, and should be received and placed in position by Saturday, August 2d, as, up to that time, it can be done without unnecessary labor and inconvenience.

RULE X.

No article on exhibition can be removed until the close, unless by authority of the Board of Managers; but reasonable facilities for making sales of articles, for delivery at the close of the exhibition, will be afforded.

Exhibitor's cards, circulars and samples may be placed within their space for distribution, but visitors shall not be solicited to receive them.

Exhibitors will be required to keep their spaces and exhibits clean and in good order, and in cases where they are covered at night, to remove such covering by eleven o'clock, A. M., and not to cover the same earlier than ten minutes before the closing hour.

RULE XI.

The most effectual means will be taken, through the agency of the police, and otherwise, to guard and protect the property on exhibition; and it will be the purpose of the managers to return all articles to the owners without loss or injury; but as the fair is for the benefit of the general public, and particularly for the business benefit of the exhibitors, and to add to the reputation of their wares, the Mechanics' Institute and the Managers of the Fair will, under no circumstances, be responsible for any loss or injury to articles placed on exhibition, which must be invariably at *owner's risk*.

RULE XII.

In order to preserve the general harmony of the exhibition, and make the display of goods attractive, the Board reserves the right to direct the general arrangement of the articles on exhibition, and to regulate the character of all signs and advertisements.

Partitions may be erected in various parts of the building, but in no case more than four feet in height, except on the side and

ends of the gallery. Exhibitors' signs shall not be more than eight inches in width, and placed not less than eight nor more than nine feet from the floor, except on the walls of the building.

Exhibitors will not be allowed to give away samples of any article, the sale of which has been granted as a privilege.

RULE XIII.

Employees' tickets will be issued without charge to such exhibitors only, as, in the opinion of the Committee on Privileges, require the services of an attendant, and are not transferable. If transferred or loaned, the doorkeeper is instructed not only to refuse admission, but to retain the ticket, which by this violation of the rule is forfeited.

Employees' tickets found to be unnecessary for the purpose for which they were issued, must be returned to the committee.

Any ticket presented at the door for admission in violation of rules thereon shall be forfeited.

RULE XIV.

All boxes and packages containing articles for the exhibition should be marked "Nineteenth Industrial Exhibition," San Francisco, with the name and address of the sender. If the freight thereon is paid, it will be taken charge of by the Board and removed to the exhibition building. Cartage at the expense of the exhibitor. A detailed statement of the contents of each box or package should be inclosed with the same, or sent separately by mail or express.

RULE XV.

The Board of Managers do not consider the premium list herewith appended as complete, nor are articles entitled to premiums limited to the ones here enumerated; but any meritorious article on exhibition not herein mentioned, will receive due consideration from the jurors.

THE OPENING EXERCISES.

THE opening exercises of the Nineteenth Industrial Exhibition took place as announced at the Grand Opera House on Mission street, on Tuesday August 5th, at 2 P. M. At the appointed hour, the house was filled with friends of the Institute who listened with marked attention until the close.

Upon the stage were seated the Chaplain, Orator, invited guests and the Board of Managers.

The following literary and musical programme prepared by the Committee on Opening Exercises, Messrs. Spiers, Hendy and Bassett, was neatly printed and distributed among the audience:

PROGRAMME.

1. Grand March, (Composed by C. Schultz).....Band
2. Prayer,.....Rev. M. M. Gibson, D. D.
3. Quartette, (Selected).....By the Amphions
4. Introductory Remarks by the President,P. B. Cornwall
5. Cornet Solo,.....Mr. Dunnigan
6. Overture-Jubilee, C. M. Von Weber,.....Band
7. Oration,.....Hon. Frank M. Pixley
8. Steam Galop, Catlin,.....Band

The opening piece by the orchestra, composed expressly for the occasion by the leader, Mr. Chas. Schultz, was rendered acceptably by an orchestra of twenty-five musicians.

Rev. M. M. Gibson, D. D., then invoked Divine support of the cause sought to be promoted by the Institute. At the close of the prayer, the Amphion Quartette sang an appropriate song; then P. B. Cornwall, President of the Mechanics' Institute, spoke as follows:

INTRODUCTORY REMARKS OF THE PRESIDENT.

Less than thirty years ago, when a large portion of the men in California looked on this as only a temporary abiding place, where they hoped to acquire a generous amount of golden treasures with which to return to their Eastern homes and buy land adjoining their father's or brother's farms, or to engage in manufacturing or prosperous commerce in some Eastern State, blessed with order and society, a few earnest and thoughtful men, who saw more clearly into the future, and realized that in all human probability this would be their permanent home and the home of their children, determined to devote a part of their thoughts and labors to building up on these shores such things and

associations as promote knowledge, virtue and happiness in community and State.

Thus came our schools, colleges and University; our Academy of Natural Science, Schools of Art, Orphan and other asylums, hospitals and churches, our Public Libraries, and the Mechanics' Institute, the opening of whose Nineteenth Industrial Exhibition is the cause of our being here to-day.

OBJECTS OF THE INSTITUTE.

The particular object of the founders of the Institute, as stated in the Constitution which they adopted, was, "To cultivate a social feeling of friendship, and the mutual improvement of its members; the dissemination of information and useful knowledge by the establishment of a library of circulation and reference, a museum and reading-room, the formation of classes and delivery of lectures for tuition, the collection of a cabinet, scientific apparatus, works of art, the purchase of property and the erection of buildings for the requirements of the Institute, and for any scientific, mechanical and literary purposes," and the only capital that they had to devote to the enterprise was their honest thoughts, and faithful labor given in the few hours that could be spared from their daily toil in office or shop. Just twenty years ago, after nine years of struggling efforts, an account of stock was taken, and showed the following result:

Lot and building on California street,.....	\$15,000 00
Library,.....	4,000 00
Fixtures and furniture,.....	800 00
Cash and uncollected dues,.....	1,708 71
Total.....	\$21,508 71

But there was a mortgage on the lot and building for.....	\$6,000 00
And outstanding debts, a part of which was for money borrowed...	3,920 04
	<u>\$9,920 04</u>

Leaving as a result of nine years' labor, a net gain of \$11,588 67.

GAINS DURING TWENTY YEARS.

The amount was not large, but it showed progress, and the Trustees determined to continue the work. It would weary you to listen to the statistics which show the labors and gains during the past twenty years, but the visible and material results are evidenced by the substantial three-story brick library building on Post street, in which is a library of over thirty-five thousand books, selected with great care and to which large additions are made each month of new and valuable publications; and by the entire block of land bounded by Hayes, Larkin, Polk and Grove streets, with its vast Exhibition building fitted with powerful engines for driving all kinds of machinery.

This property is only separated by the width of a street from the lot on which the New City Hall stands, and within a few years will be the very center

and heart of the City. It is safe to estimate in dollars and cents the net value of the property of the Mechanics' Institute to-day at half a million dollars, and to say that with careful management it is likely to become within the next twenty years one of the most wealthy and useful institutions of its class in any country. It is contemplated to build, when the proper times comes, a spacious and convenient library building on the corner of Larkin and Hayes, with large rooms fitted for lectures, technical classes and other purposes.

The Institute owes the larger part of its material prosperity to its Industrial Exhibitions, and something to the faithful and gratuitous services of its founders and their successors in the management of its affairs. Besides its financial solidity, it has a sure foundation in the hearts of its members, and, I hope, and believe, has the sympathy and good wishes of the people of this City, who have witnessed its early struggles and are glad of its success.

What the benefit has been to the City and State, or what it will be in the future, I will not attempt to estimate.

ORATION OF FRANK M. PIXLEY.

After President Cornwall's remarks, the band played the overture, "Jubilee," (C. M. Von Weber,) after which the orator, Frank M. Pixley, was introduced and spoke as follows:

MECHANICS OF SAN FRANCISCO, LADIES AND GENTLEMEN:

Your lines have been cast in pleasant places, your lot has fallen upon happy times, your destiny has been fixed in a land of incomparable plenty, of safety, health and beauty, a land of peace and abundance, a prosperous land in an age of progress.

That you have taken advantage of these conditions, that you have contributed to them, is evidenced in these your annual exhibitions, in the good you have done, in the wealth you have accumulated, in the results you have accomplished. This pavilion for the display of your handiwork, the hall where your books are housed, are the visible evidences of your organized exertions. Your present prosperous condition is apparent from the statement in your official annual reports. Around, on every side of us, are the abounding proofs of wider and more successful exertions, efforts crowned with complete success. Our City is the result of your work; on every side are the manifestations of your skill and industry. This City, all cities, are monuments of the mechanical arts. They are fashioned by the brain and builded by the strength of the mechanic. Our homes, our business places, our public edifices, are modeled by his brains; our ships that plow the waves, our plows that lift the soil to the sunlight, are the works of his hands, the products of his invention, for, of all mechanics the inventor and man of brains who can conceive great projects and labor-saving devices is the chief.

The work of the mechanic is seen in grander results than in the product of his mechanical skill in the manipulation of material things. It is observed in the social life that surrounds us, in the fabric of law, order and Government, without the protection of which there is neither safety, progress nor comfort

in existence. It is seen in the foundations of the system that recognize individual rights under the law, and which, though assaulted and shaken in the State by criminals and alien idlers, at one time imperiled the existence of all that makes life worth living. I pass from the consideration of an uncomfortable episode in our past history, by the single reflection that no respectable mechanic had any part in the disgraceful incidents of a shameful and causeless craze.

California is a State and this Pacific Coast an Empire of magnificent destiny, and in that future you gentlemen of skilled trades are to enact a responsible part. You, with the other workers, compose the great middle class of society upon whom devolves most of the duties and most of the responsibilities of upholding the Government and maintaining the law. You are so placed in the organization of society, that in your own interests, and your own defense, you must shield the community from the crimes and follies of aggressive, insolent wealth, from the actions and greed of corporate power and all the evils necessarily incident to wealth and power. You, too, must guard it from the agitations of the criminal and idle class that rages below. You compose a large and important division of that great middle class that must act the conservative part, must guide the ignorant, restrain the criminal and stand unawed, uninfluenced and immovable against the blandishments of wealth and the seductions of power.

THE MAN WHO THINKS.

The middle class is that in which the wealth, the intelligence and the morals of the nation are found. It is the great voting majority of the country, and upon its political course hangs the destiny of the Republic. The sum total of millionaires is small when compared with the accumulated wealth of the great industrial class. The intelligence of the schools, the culture and learning of the educated few, is not to be measured for practical usefulness with the common sense intelligence of the great middle class. The place to look for any virtue is not among those who inherit wealth, or the class that indulges itself in criminal idleness.

It is the mechanical man, more than any other of the business or laboring class, that thinks. The mechanic is compelled to think as he labors, necessarily, and naturally he considers whether by some ingenious mechanical device or some skillful appliance he may not render his labor less severe or more satisfactory in results, whether he may not attain better ends in lesser time by some labor-saving invention. He is the father of a family, the owner of a home; he is a citizen called from his duties to perform the duties which society demands; he must serve on juries, pay taxes, serve as *posse comitatus* in war; he must serve his country; he is an elector; he has lives to guard, property to protect and rights to defend, and as he toils he thinks. He can work with his hands and think. There are very few people who think—there are many who think they think—and when from the pulpit, the rostrum or the press there is suggested some pregnant thought, the mechanic that has the brains has the time to think it out to a rational conclusion.

I say, the mechanic that has brains; for unless the man has brains he is not a mechanic; he is a worker and imitator, but he is not a mechanic. Professional men consider specialties. The merchant, as a class, thinks but little; the farmer, as a class, thinks less; the laborer, who works only with his muscle, not at all. There are splendid exceptions to the rule as we have generalized it, of great, active-minded, noble men in all the classes named; and from these, then, arise those superior minds that compose a class that rules the world—a class embracing the great thinkers, philosophers, scientists, statesmen and heroes, the great inventive geniuses of the world, the great guiding, directing minds who in all past ages have, and in all future time will, control the destiny of mankind. For God did not create all men equal, nor endow them with equal faculties; to some he gave brains, to some but brawn and muscle, to some he gave the courage to dare and the patience to endure, to others cowardice and the faculty of submission, to some the genius to conceive and the ability to execute great projects, to others only the ability to toil under guidance and direction, to some he gave the ambition to endeavor, to others the willingness to endure. Hence there must even be classes in society; there must be leaders and followers, there must be rich and poor.

NO CLASS DISTINCTIONS.

In a government like ours class distinctions are not permanent, and, as they are not under the protection of government, they are not enduring. They may not exist beyond the generation. The leader of to-day is to-morrow in the ranks. The official of to-day is to-morrow relieved from public duty and relegated to the private station; the man of wealth to-day is the poor man of to-morrow. Wealth in America is seldom transmitted to the second generation; less often to the third, and never to the fourth. There are no laws to encourage class distinctions: no titles of rank, no transmitted official emoluments or honors, no other protection for property than that which the law gives to every man, either for its accumulation or protection.

There can be no entailed estates, and the practical workings of our system of government and the administration of its laws is to throw open the opportunities of life with all its honors, its chances of wealth and office, alike to all.

The right to exercise political authority is given to all, and the majority governs. Hence, all jealousies against the rich, the honored, the successful. All repinings against authority, all disturbances of the peace or interference with individual rights under the law, are admissions of inferior faculties, unemployed opportunities or vicious propensities.

This is not the opportunity to discuss the relations between labor and capital; only a single thought. The rich cannot enjoy their wealth, except through its distribution in the employment of labor; for every indulgence that wealth allows itself it must pay its value to the toiler. The mansion where opulence displays itself, every article of luxury that ministers to pride or utensil that contributes to comfort, the pictures that adorn the wall, the marbles, the instruments of music, hangings, embroideries, carvings in wood or stone, the

precious gems that deck the person, the costly equipage, the expensive viands, the elegant and fashionable costumes, are all the result of skilled labor. They were made by labor, and for them wealth must pay.

THE MECHANICAL AND HIGHER ARTS.

Let us note the near alliance between the mechanical and higher arts; how intimate the relations they bear to each other; how dependant are each and every one of them to the mechanical industries that make their expression possible. The divine art of Apollo, that in the days of its infancy caused the forests to dance and the stones to weep, tamed the ferocious breasts of barbarous men and charmed away the tenants of the invisible world, was but the music of reeds and the piping of shepherds upon their rude instruments of shell and string; the mechanical art of the mechanical age touched with its song, inspired inventive faculty and fashioned the flute, the harp, the lyre; the soul-inspiring violin with its tuneful melodies, the piano with its sweet harmonies for the home and household, the grand organ with its lofty strains to fill the great cathedrals and lift the souls of men to the sublime heights of Divine worship; the horn, fashioned by the skillful touch of artisan in brass or silver, gives us the heroic strains of martial music that inspire to loftiest deeds of heroic valor and recall to us the splendid achievements of the illustrious dead, who have died for native land and human rights.

“At the talismanic touch of architecture the latent treasures of the forest and the mountain cliff spring into structures vying with nature in elegant lightness or massive strength;” from the mine and quarry where the Titans sleep in granite and marble in the arms of Genii that guard the cave and mine, the mechanic with his strong arm drags them forth for bridge and tower and temple, beats upon them with hammer and chisel, and lifts them up to things of living beauty and enduring usefulness; fashions them into magnificent edifices or homes of comfort, and spans with them broad chasms and raging torrents; tears from the primeval forests their monarchs, and with ax and saw transforms their useless trunks into every-day conveniences serviceable to man.

“Sculpture animates the breathing marble with Promethean fire,” and under the inspiring touch of the chisel transforms the inanimate stone into semblance of living forms with expressions of force and beauty—forms that in their glorious imitation lack only living, breathing souls to make them more than equal to the Divine creation, takes from the dull earth its ores, and from the furnace and the forge reproduces forms of bronze; transforms the cannon of Austerlitz to a monument of peace; sets up the form of Liberty to light the world, and in marble and bronze perpetuates the acts and preserves the characteristics of the immortal ones who have adorned the world.

The art of Poetry, without the aid of its industrious-working brother of the type, would be but as the sweet and passing sound that sweeps the Æolian chord and is forever lost.

LITERATURE AND MECHANICAL ARTS.

The paper-maker, snatching from drain and gutter the worn-out fabric of spindle and loom, subjects them to the process of his art; transforms the worthless rags to become the fair page upon which the inspired thoughts of Shakespeare are preserve for the instruction and delight of all the human family. Poetry could not maintain its strain; history could not preserve the events of the past, nor eloquence live beyond the breath that gave it utterance, except for the printer, the paper-maker and the press that with its intricate machinery hands down to posterity thoughts and events worthy of preservation. Sacred writings, the laws of Moses, the word of God, would be lost in the confusion of meaningless echoes if left to memories of human minds, unaided by the mechanical arts.

From the art of painting withdraw the work of its toiling sister, the Cinderella that has smoothed the panel, that has spun and woven the canvass, that, with deft fingers, has fashioned the brush, and, with nice judgment, given rich and enduring colors to the pigments that are used by artist-hand and artist-brain to reproduce the glows of the landscape, the historic scene, the human face, and form animal life, architectural designs, the wonders of nature, and there would be no picture on gallery walls, no works of old masters to preserve the glories of ancient triumphs or to illustrate the skill of the modern adepts of the brush. The splendid frescoes of Michael Angelo that adorn the walls of the Sistine Chapel in the palace of the Vatican, fade in color and grow dim with age, while underneath them the solid plaster of the forgotten, nameless mechanic still survives, and behind the plaster enduring walls built by unknown artisans stand in all the strength of their primal structure.

Mural decorations in marbel, stone, leather, tiles, stucco, paper, painting and plaster, served to decorate the walls of houses, tombs and temples, have afforded us a glimpse back through dark ages, buried cities, to a period beyond the era of the printer's art, to the prehistoric age, when no other record was made of events and no other mode furnished for preserving the life and manners of the time than in the counter-sunk sculptures of Egypt and the hieroglyphics of Assyrian tombs, in the rock-cut stones of Thebes. In half-symbolic way, we note the characteristics of animals, the manners of men, the occupations, implements, and habits of domestic life in eastern lands for a period of 5,000 years antedating the Christian era. From these sculptures we are enabled to study the religious ritual and belief of ancient peoples. These writings give the history and reigns of their long lines of kings, and preserve the more important incidents of their times.

MURAL ORNAMENTS.

From the wall sculptures of the royal palaces and temples of Babylon and Nineveh we obtain an almost complete knowledge of the religious ceremonies, the modes of agriculture, the mechanical contrivances, the occupations of men and women, with the dress and costume of the age, the modes and weapons of warfare, the amusements of king and court, the manner of burial and in

minute detail the form of animals and the plumage of birds. Through these mural decorations we look back from our day through the clouded centuries of time to study the habits, customs and manners of an age nearly seven thousand years buried, and, except for the mural art, forgotten.

This art of mural decoration had not been able to survive the hour of its birth, except for the willing aid of skilled labor, that with strong arm dragged from quarry the rude stone and with practical touch of chisel engraved thereon, not the imaginative devices of artists' fancies, but the materialistic representation of existing, living models of actual things, enduring representations of actual events.

This is the work of mechanical artists, and if we credit it as the joint production of mechanic and artist, we must accord to the mechanic the first place and there has been no work done by historian, poet, orator or painter more interesting or useful to the world than that of the mechanics, who wrote with unerring skill and full precision of detail on stone or marble, hard basalt or granite, in carved hieroglyphs the history of the period of Sennecharib and Sardanapalus.

The relation of the mechanical industries is not less intimate with the sciences than with the arts. Science, in its practical relation to the use of man, is largely dependent upon the mechanical appliances which are used for them.

Could we study the heavens without the telescope, its lenses, its delicately adjusted machinery, through which the movement of starry worlds is observed? Could we navigate the seas without those huge leviathans of oak, or those steel-ribbed, iron-armored monarchs of the deep, with sail, and rudder, and chart, and compass—all the work of the skilled artisan? Could we do more than plod barefoot over the dusty plains, or climb with Alpine stick the mountain heights if the mechanic did not come to our aid with his multifarious devices for our comfort, and his marvelous inventions for our safety in wandering over continents, crossing deserts, tunneling mountains and leaping chasms? The scientist may snatch lightning from the heavens, but in his hands it is a dangerous plaything. With the aid of the mechanic he subdues it to become our useful slave. It carries messages with intelligent fidelity and the speed of thought to earth's remotest bounds. Steam, unharnessed and unrestrained, is a dangerous power; but when constrained in iron, managed with throttle and valve, it is our tireless willing servant; works in its manacles of steel; does our bidding; bears our burdens; grinds corn, and with patient, uncomplaining energy performs the labor of the world.

AGRICULTURE AND THE MECHANIC.

The science of agriculture without the agricultural implement would land us back in the grainless age when man lived upon roots and nuts and grasshoppers, hunted the forests and fished the streams, when bread was unknown and butter impossible for want of a churn, and when happily the granger soul was not vexed by the question of fares and freights, because there was no other mode of transportation than his own or his asses' backs, and nothing

grown to bear away and no market to bear it to. We charge upon the mechanic all the evils arising from railroad and transportation companies—all the oppression and tyranny practiced by them—for if it were not for the mechanics there would be no railroads nor vessels to disturb us with their vexatious and insoluble conundrums.

Without mechanics we may not say there would be no wars, for man is a warlike animal and war is mankind's normal condition. The skilled and thoughtful mechanic at the side of the engineer and scientist has advanced from the rude battering ram and catapultic missile of the ancient time, to the perfect war machinery of the present day.

For the antique cross-bow we have the repeating rifle, sending its death-dealing missile with unerring accuracy.

It is said that the destructiveness of war's modern appliances lead to infrequency of combat and tend to the preservation of peace. Let us then look to the mechanics for such terrible and destructive enginery of war as shall put an end to the settlement of national difficulties on the billows or the battlefield, and hope for the speedily coming time when all such disputes may be adjusted in a congress of nations, whose decrees may be enforced by the higher laws of intelligent civilization, where wars shall end and peace prevail; when all shall work and none shall quarrel; when poverty shall cease and plenty fill the world.

Such a discussion as this, before a body of intelligent citizens, skilled artisans in all the trades, pending a national election which involves the consideration and settlement of our policy of foreign relations, our coast defenses, the building of a navy as a guarantee of peace, the management and control of railroads, the adjustment of tariff regulations, which more than any other question concerns the skilled mechanics of the country, and which to every one of them, employer and employed, is a question of profit on articles manufactured or a question of adequate wages for labor, such a discussion on such an occasion as this would seem to be appropriate, but because they are political and because the members of this Mechanics' Institute and the persons composing this audience unwisely differ in opinion we must avoid these topics as inappropriate and must skim lightly over the thin ice, because we know there is a dangerous torrent of party passion and party prejudice raging below. Yet we have the right to say, and it is our duty to say, that the questions which involve profit to the American manufacturer, a home market to the American farmer and high wage compensation to the American laborer are the questions which underlie the foundations of political and social fabric, they are the corner-stones upon which rests the splendid structure of the American republic.

SOLUTION OF GREAT POLITICAL QUESTIONS.

With the mechanics more than with any other class rests the solution of all the great political questions which concern our national prosperity. The labor element of the country controls its destiny, is ultimately responsible for its perpetuity and is directly charged with the preservation of its liberties.

It is from this class that come the law-makers of the country. The boys born of toiling parents, are the men who in all departments of Government give shape to its institutions and character to its laws. Skilled workers hold rank in the class of labor due to their superior intelligence, and to them we must look for such political conduct as will give demonstration of man's capacity for self-government. We love our country and take just pride in its altogether glorious history. We consider the present and coming millions whose welfare and happiness is dependent upon the enactment of good laws and their just and impartial administration. We look forward to the time when our country shall assume its proper rank among the nations, and the American people their true position in the land of Christian civilization. This dawn of greatness is only possible with an educated, industrious, home-loving working industrial class, at the forefront of which stands the American mechanic.

The exercises closed with a cornet solo by Prof. J. Dunnigan.

The doors of the Pavilion were opened to visitors at 7 o'clock in the evening and the good will and interest manifested by the public at the opening most happily continued until the close of the Exhibition.



ALPHABETICAL LIST

OF

EXHIBITORS AND ARTICLES EXHIBITED

[Except those in the Art Gallery, for which see Catalogue following this.]

A

Class.

- | | | |
|-------|--|--|
| 13-18 | Albrecht & Waters..... | Griswold's Patent Lamp Filler, Steel Edged
Dust-pan, McMaster's Shelf Support,
Box Strap and Cornice Iron, Sunset
Cooking Stove, Cal. make. |
| 14 | Allen, E. T.... | Display of Firearms, Fishing Tackle and Sporting Goods |
| 40 | Allen, Annie..... | Tapestry Picture |
| 40 | Anderson, Louis..... | Woolen Mat. |
| 20 | Antisell, T. M., Piano Co..... | General Display of California Manu-
factured Pianos and Organs. |
| 40 | Armstrong, Miss S. A..... | Embroidered Sofa Cushion |
| 19 | Ashton, Geo. P..... | Patent Portable Conservatory, with improved
system of ventilation and glazing. |
| 12 | Aspden, Geo..... | Wheelbarrow, Pry and Cant Bar |
| 2 | Atwood, H. R..... | Deluge Pumps, for wine purposes |
| 19 | Atkinson, Geo. F..... | Turned Articles from California woods |
| 19 | Atwell M'fg Co., Cincinnati, Ohio..... | The Atwell Sash, Lock and
Ventilator. |

B

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|---------|---------------------|--|
| 24 | Buchanan Bros... | Carpet Sweepers, Feather Dusters and Corn Brooms |
| 29 | Balny, A. J..... | Display of Ostrich and Fancy Feathers |
| 29 | Baker, Mrs. A..... | Wax Flowers and Work |
| 40 | Baker, Mrs. R..... | Bed Spread (netting) |
| 1-11-21 | Baker & Hamilton... | Gang Granger Plows, Three-Section Iron
Harrow, Four-Spring Wagon, Complete
with top, Side Spring do., Gem Buck-
board, Gem Broadcast Sower, Barley
Crusher, Eureka Sulky Plows, Benicia
Single Plows, Benicia Weed Cutter, Gar-
den Barrow, Store Trucks, Benicia Im-
proved Header and Mower, Four-
Spring Wagon, Nash & Cutts' Fanning
Mill, Easy Lawn Mower, Philadelphia
Mower, "Boss" Power and Hand
Churns, Baldwin's Feed Cutter, Buck-
eye Cider Mill and Press, Moline Steel. |

Class.

- Plows, Gale's Chilled Plows, Triumph Grain Drill, Champion Ball Joint Mower, Farmer's Power Corn Sheller, Diamond Hand Sheller, Baxter Upright Engine and Boiler.
- 4 Banks, Wm.....14-in. Wood Lathe
 44 Barnard, G. B Specimens of Penmanship
 38 Baxter Overland Telephone Co.....Telephones and Transmitters
 30 Baumgartner and Bohls.....Gold Bar Cigarettes
 46 Baum, Miss Sadie.....Floral Display
 38 Bayley, G. B.....Three Incubators
 39 Beeman, Wm....Elastic Cork Truss, Artificial Limbs, and Supporters
 5 Bell, W. ADisplay of Models, Samples of Agricultural Implements, and Mechanical Appliances.
 14 Benn, J. SArtificial Salmon and Trout Flies
 18 Bernard, W. M....Beer Faucet and Measure
 36-44 Bernard's Business CollegeSpecimens of Penmanship and Text Book on Book-keeping.
 40 Bever, Nelly.....Hand Net Quilt
 21 Bilz, J. A.....Two-Wheeled Carts, Top Carts, Open Carts, Training Carts, Vineyard Plow and Whiffletree.
 33 Birnbaum, H. B.....Cibils' Extract of Beef
 11 Bishop, Ira.....Sack Elevator
 2-5 Bodwell, H. H....Windmill Pumps and Self-Regulating Windmill
 13 Bodwell, J. D....Perfection Fuel and Burning Apparatus
 17-18 Boesch, Emile.....Reflectors, Headlights, Signal Lamps, Lanterns, Pressed and Bent Glass for Lamps, Specimens of Metal Spinning and Stamping.
 40 Bogle, Anna E.....Crocheted Tidies and Sofa Cushion
 22 Boller Furniture M'fg Co.....Furniture and Stair Balusters
 31 Booth, A. RSure-Death Squirrel and Gopher Poison
 31 Bothin M'fg CoGiant Baking Powder, Spices, Flavoring Extracts and Syrups.
 31 Bowman, H....."Beautiful Snow" for the Complexion
 29 Brennan, Alice...Collection of Buttons
 44 Brewster, Ada A....Pencil Drawing
 46 Brigham, Mrs. Charles B.....Floral Design
 42 Brodt, Mrs. Helen.....Collection of Ceramic Art
 40 Brown, Mrs. S. A....Silk Quilt and Pillow Scarf
 18 Brown, W.....Measuring Faucet
 13 Brown, Chas. & Son...Kitchen Utensils and Crown Jewel Vapor Stove
 18 Brown, D. S. & Co....Duplex Gas Burner
 32 Brown, Violet M.....Newspapers of the years 1814-19, and Towel 100 years old.

Class.

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|-------|-----------------------|---|
| 31 | Brownlee, F. C. & Co. | Red Clover Blossoms and Extract |
| 17 | Browell, Jeremiah | Patent Chimneys, Fancy Terra-cotta
Chimney Tops, Flue Linings,
etc. |
| 40 | Bryant, Kitty | Embroidery |
| 18-19 | Burr, C. H. & G. W. | Slop Hoppers and Weather Strips |
| 35 | Burnell & Turner | Albion Ale and Porter, Fredericksburg Beer |
| 40 | Buscelli, Mrs. M | Crochet Quilt and Tidy |
| 18 | Bush, B. F. | Automatic Gas Burners |
| 29 | Butler, P. F. | Display of Millinery |
| 12 | Burton & Hoyt | Machine-made Nuts, Bolts, and Screws,
Cal. make. |
| 40 | Butte, Miss Maggie | Display of hand-made Lace Work, includ-
ing Point, Barb and Applique. |
| 1-11 | Bull, Geo. & Co. | General display of Agricultural Machinery,
Portable and Straw Burning En-
gines. Two-horse Mower, Thresher
and Separator, Broadcast Seeder,
Walking and Riding Cultivators,
Two-horse and Hand Corn Planters,
Sulky and Gang Plows of Pacific
Coast manufacture, Side-hill Plows,
Hay and Straw Cutters, Bag-holders,
Fanning-mills, Drapers, etc. |
| 26 | Bullock, Frank | Spanish Merino Wool |

C

- 17 California Artificial Stone Paving Co.....Artificial Stone Pavement
3 California Bellows M'fg Co.....Bellows of Cal. make for Blacksmiths,
Moulders, Viticulturists, Coopers,
Chemists and Confectioners;
Tuyere Irons.
38 California Electric Works....Electric and Telegraphic Apparatus, Fire
and Burglar Alarm Apparatus (auto-
matic), Hotel Annunciator, Printing
Apparatus, etc.
38 California Electric Light Co.....Display of Electric Light
12 California Iron and Steel Co.....Charcoal Pig Iron, Charcoal
Blooms, Bar Iron, Malleable
and Steel Castings.
26 California Jute Mill Co.....Display of Jute and its Manufactures,
including Raw, Hackled, Carded
and Dyed Jute, Jute Carpet and
Matting, plain and colored, Ore,
Grain and Coffee Bags, and
Hessian Burlaps,

Class.

- 10-27-32 California Silk Culture Development Co....Collection of Cocoons,
Raw and Manufactured Silk of Cal.
production, Young
Mulberry Trees, and
Silk Reeling Machine
in operation.
- 31 California Powder Works.....Hercules Powder
- 12 California Wire Works...Wire Rope, Cloth and Manufactured Articles
- 26 California Wool Co.....Display of Scoured Wool
- 31 California Volcanic Water Co.....Natural Mineral Water
- 31 Calvert & Co.....Shropshire Dip for Skin Diseases of Sheep
- 22 Callihan, John.....Drop Roller for Window Shades
- 27 Carlson & Currier.....Display of Belding Bros. Cal. manufactured
Silk Thread and Twist.
- 5 Carman, B. F..Model of Self-adjusting Cable Grip for Turning Curves
- 33 Castle Bros.....Breakfast Gem
- 21 Carville Manufacturing Co.Top Rockaways, Top Buggies,
Phaeton and Cart.
- 21 Caughell, R. N.....Spoke Extractor
- 2 Cavanaugh & Fredericks.....Steam Pump
- 40 Cecil, Mrs. Anna.....Wax Autumn Leaves
- 4 Chisholm, P. McG.....Chisholm's Improved Portable Sawmill
- 40 Christen, Miss Carrie.....Tapestry Pictures
- 5 Chronicle, S. F.....Stereotype Plates and Printing Paper
- 5-33 Ciphers, D. S.....Pop Corn Machine and Pop Corn
- 22-26 Clark, Truman S. & Son.....Spring Beds, Metal Spring Bed Bottoms,
Wire Coiling Machine, Iron Bed-
steads, Mattresses, Kitchen Cabi-
net, Angora Robes and Rugs,
Pillow Sham Holders, Camp
Ground Supplies, Carpet Lining,
Stair and Mattress Pads, Bed
Springs.
Stair and Mattress Pads, Bed
Springs.
- 29 Clark, J. B.....Corsets
- 22 Clark, Geo. W. & Co..Wall Paper, Window Shades and Fixtures
- 12 Clott & Meese.....Pulleys and Shafting
- 11 Clausen, James.....Gang Plows
- 36 Clayton, W. J.....Clayton's Quaker Cook-book
- 33 Commercial Tea Co.....Display of Tea and Crockery
- 40 Conroy, Mrs. H.....Afghan
- 31-32 Continental Oil and Transportation Co....Lubricating Oil, Crude and
Refined Petroleum.

Class.

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|-------|---|---|
| 40 | Cook, Emma D..... | Wax Work: Flowers, Vase and Harp |
| 24 | Coos Bay Stave and Lumber Co..... | Display of Wooden Ware and
Cooperage, Swing Pump. |
| 40 | Corr, Maggie C..... | Air Castle (needle-work) |
| 40-42 | Corlett, Mrs. Theresa..... | Display of Decorated Pottery, Enameled
Table Tops and Mirrors, Skeleton
Leaves. |
| 40 | Cotter, Mrs. J. E..... | Preserved Natural Flowers and Sea Moss |
| 46 | Coursen, Misses Rose and Geraldine..... | Floral Bouquet |
| 5 | Cousin, J. J..... | Candy Twisting Machine |
| 40 | Craig, Mrs. P. W..... | Sofa Pillows made by Mrs. Maria Larkins,
82 years of age. |
| 40 | Crane, Daisy..... | Crazy Sofa Cushion |
| 13 | Curtis & Condry..... | Vapor Stoves and Torches |
| 36-45 | Cubery, W. M. & Co..... | Society Cards, Frame of Stereoscopic Views |
| 40 | Cummings, Mrs. Wm..... | Quilt |
| 3 | Cumming, Geo. & Co..... | Engine Lathe, Portable Forge,
Rotary Blower. |
| 40 | Cummings, Mrs. Mary..... | Crazy Quilt and Patch Work |
| 40 | Cull, Miss Mary..... | Worsted Afghan |
| 13 | Cushing, C. A..... | Gas Stoves and Water Heaters |
| 40 | Cushing, J. H..... | Crazy Quilt and Shams |

D

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|------|--|--|
| 40 | Davis, Miss Annie..... | Worsted Wreath |
| 40 | Davidson, Miss Georgia..... | Silk Quilt and Pair of Shams |
| 38 | Davis & Look..... | Incubators and Brooders |
| 47 | Davis, James & Son | Magnolia Seedling |
| 16 | Davis, Frank A..... | Cutting Dies for Leather, etc |
| 40 | Davis, Mrs. Mary W..... | Fancy Hand-made Mat |
| 11 | David, August | Grape Stemmer and Crusher |
| 6-37 | Deninston, E. G..... | Specimens of Gold, Silver and Nickel
Re-plating, Silver Plated Amal-
gamating Plate. |
| 18 | Derrickson, W. J..... | Automatic Lamp Bracket |
| 36 | Dittmann, E..... | Fancy Cards and Paper Goods |
| 1 | Downie Boiler Incrustation Preventative Co.. | Boiler Scale Preventative |
| 31 | Downing, A. F. & Son.. | Display of Murray & Lanman's Florida Water |
| 31 | Domett, Ellen M..... | Blanchard's Liquid Food |
| 34 | Drummond, J H..... | California Wines |
| 17 | Duffy, T..... | Rustic Gas Logs and Ornaments |
| 46 | Duhem, A..... | Cut Flowers and Plants |
| 14 | Dukeman & Austin..... | Shoemaker's Sewing Needle |
| 18 | Dutton & Son..... | Patent Key for Gas Burners |

E

Class.

- 40 Ebeler, Mrs. Mary.....Crochet Table Spread
 18 Edwards, E. A.....Oil Burner for Cooking Stoves and Ranges
 44 Eisenschmel, Carl.....Display of Penmanship, Pen Drawing, Pen
 Portraits and Card Writing.
 17 Elsen Glass Works.....Display of Glassware
 38 Electrical Supply Co.....Telegraphic and Electrical Apparatus,
 Cal. make, Electric Turn-table for
 Show Windows, Brooks' Faradic
 Current Distributor, Cal. inven-
 tion.
 22 Emhoff, Otto..Inlaid Secretary
 5 Esdor, H. J.....Samples of Goods of General Manufacture
 40 Evans, Mrs. MHand-made Lace, Embroidery, Mexican
 Drawn Work and Hem-stitching.
 5-26 Examiner Publishing Co....Stereotype Plates finished and unfinished,
 Stereotype Cuts, Bales, and Roll of
 Paper, 1,400 lbs. weight.

F

- 18 Faller, Peter.....Patent Beer Pump
 22 Farrar, B. F.....General Display of California-made Furniture,
 including Bedroom Sets, Sofa Beds, Ex-
 tension Lounges, Spring Mattresses,
 Metal Spring Bed Bottoms, Folding Beds.
 40 Favor, Miss A. MCollection of Needlework
 20 Fay, Robert & Co.....Display of California-made Pianos
 19-22 Fay & Co.....Polished Redwood, Extension Table, Wardrobe Beds
 40 Fetsch, Jacob.....Shell Picture
 35 Fenkhausen, A. & Co.....Bourbon Whisky, Bitters and Rum Punch
 22 Field, Frank W.....Desk and Cabinet, Combined
 42 Fish, Mrs. F. A....Painted Placques, Lambrequin Pottery,
 Japanned Panels, Crazy Quilt.
 40 Field, Miss Gertrude.....Wax Flowers
 45 Fisk, GeorgeLandscape Photography
 42 Flammer, C.....Enameled Pictures
 21 Folsom, A. & Son.....Hack, Coupé, Rockaway, Top Buggies,
 Open Buggies, Specimens of Car-
 riage Blacksmithing.
 30 Friend-Erskine Cigar Co.....Cigars
 40 Fraser, Mrs. Wm.....Case of Wax Flowers
 31 Fulton, John J.....Kidney, Liver and Dyspepsia Cure
 40 Fulton, Mrs. John.....Plush Hand-Painted Spread for Stand

G

Class.

- 31-35 Gates, Dr. J. H. Pepsin Wine Bitters, De Boise Liniment
 40 Garay, F. L. V. de Wax Flowers
 1 Garcelon & Wood Rotary Steam Engine
 1-2-3 Garratt, W. T. Hooker's Direct Acting Steam Pump, Hydraulic
 Pump, Brass Wine Pump, Steam
 Power and Hand Ship's Pump,
 Boiler and Pump Combined,
 Hooker's Deep Well Pump with
 Patent Air Cushion Combined,
 Exhaust Steam Injectors, Root's
 Positive Blast Blower, Anderton's
 Patent Foundry and Blast Blower,
 Sight Feed Drop Lubricator, Steam
 Traps, Exhaust Steam Pipe Heads.
 40 Garcin, Mrs. L. P. Silk Quilt and Crochet Work
 39 Galland, B. Folding Cabinet Steam Bath
 40 George, Miss Emma Pillow Shams, Bureau Set and Bed Spread
 5 Gellett Ice Machine Co. Portable Ice Machines, two sizes
 40 Gibeau, Mrs. J. Needle-work
 43 Gibson, Mrs. Jennie Modeling, Bronzing and Burnishing in
 Vases, Panels, Heads, etc.
 43 Gifford, Ed. L. Hammend Brass Work
 5-25 Gillespie & Childs. Hall Type Writers, Tulé Insoles for Shoes
 26 Glide, J. H. Spanish Merino Wool
 35 Goeppert, Wm. & Son. Bavaria and Felsen Beer
 36 Golden State Amateur Press Association... Display of Amateur Papers
 and Books.
 24 Good, Adam Patent Barrel Bung and Extractor
 20 Goodwin, O. H. Musical Key Indicator
 19 Gump, S. & G. General Display of Mirror and Picture
 Frames, Engravings, Statuary
 and Works of Art.
 40 Griffin, Mrs. J.. Silk Quilt, 500 pieces, and made at the age of 82 years
 18 Graff, A. S. & Co. Coal Oil Lamps and Burners
 18-37 Grimm & Nolan. Gas Fixtures and Brass Work, Specimens
 of Gold, Silver and Nickel Plating
 and Polishing Compound.
 31 Greer, W. M. Perfumery and Toilet Articles of Cal. make
 17 Granolithic Paving Co. Display of Granolithic Paving and
 Steps (artificial.)
 8-22 Gross, H. H. Burr Folding Bed, Harden Hand Grenade
 13-17 Goodrich, Taylor. Stoves, Ranges, Cast Iron Sinks, Bronze
 Mantles, Fire Places and Art
 Castings.

Class.

- 2-6 Goss & Dow.....Combined Steam Pump and Boiler, Vertical Mining Pump, Deep Well Pump.
- 1-3-4 Gregory, H. P. & Co.....Gas Engine, Steam Engine with Plain Slide Valve in motion, Engine Lathe, Imported and California made Wood Working Machinery, including Surfacers, Shapers, Band Saws, Scroll Saws, Shingle Machinery, Morticers, Tennoning Machine, Moulding Machine, Sand Papering Machine, Wood Lathe, Circular Saw and Table, etc.
- 11 Gregory, Paul.....Side Hill Plows

H

- 15 Hall's Safe and Lock Co.....Display of Safes and Locks
- 19 Hall, Louis L.....Specimens of Scroll Sawing
- 22 Hansen, August.....Display of Furniture
- 8 Hansen, O.....Fire Escape
- 13 Harvey, C. D.....Hot Water Heating Apparatus
- 42-43 Haste, Miss J. I.....Decorated China and Hammered Brass
- 42-44 Hatch, Mrs. E. C.....Water Color Painting on Satin, Crayon Drawing
- 19-32 Hatch, Thomas.....Collection of Woods
- 34 Haraszthy, Arpad & Co.....Display of California Champagne, Wines and Brandy.
- 29 Hare, Eva.....Lace Pillow Shams and Toilet Set
- 1-5-11-21 Hawley Bros. Hardware Co.....Rice's Straw Burning Engine, 25 H. P., one Small Engine, Gold Medal Thresher, Gilpin Sulky Plows, John Deere Hand Plows, Iron Beam Vineyard Plows, Side Hill Plows, New Model Mower, Harvester, Mower and Reaper, Lawn-mowers, Two-horse Corn Planters, Corn Cultivator, Power and Hand Corn Shellers, Weeders, Fanning-mill, Hutchinson's Cider-mill and Press, Coffee-mill, Perkins' Wind-mill, Schuttler Farm Wagon.
- 44 Hecht, S. L.....Free Hand Drawing
- 43 Heckman, Fred.....Ivory and Wood Turning and Carving
- 40 Hendry, Mrs. Jane.....Cotton Quilt

Class.

40	Henderson, Mrs. M. B.	Wax Flowers and Hair Work
26-40	Henderson, Mrs. J. P.	Ermine Trimming for Opera Cloaks and Point Lace Over-dress.
1-2-3-6	Hendy, Joshua, Machine Works.	Steam Engines and Boilers, Wil- braham Rotary Pump, Ore Feeder, Hydraulic Giant, Baker's Rotary Blower.
40	Henderson, Miss Dicie.	Worsted Quilt
40	Herckelrath, Mrs. Wm.	Crochet Spread
22	Heywood Bros. & Co.	Rattan Furniture and Goods
2	Hewson, R.	Globe Water Wheel
11	Hofman, O.	Flexible Rake
44	Hofmann, J. A.	Steel Engravings
6-11	Hill, F. A.	Ore Mill, Gang Plow
10	Hill, Samuel, Estate of.	Display of Sewing Machines, including the Household, New Home, White, New Davis, New Howe, Crown, Davis' Button-hole, and Davis & Howe Manufacturing.
47	Hinclay, Geo. W.	Display of Fruits
12	Holt, Mrs. M. J.	Wire Meat Safe
42	Horan, Mrs. Louise de.	Painted Tambourine
38	Howe Scale Co.	Display of Scales
19	Howe, J. W. E.	Painted Table Tops, in imitation of inlaid Wood and Marble.
26	Hoyt, J. B.	Display of Wool
40-42-45	Huppert, Miss Virginia.	Wax Flowers, Painted Plaque and Colored Photos.
44	Hyams, Miss Lizzie.	Crayon Portrait

I

37	Ichi Ban.....	Japanese Goods, Bronzes, Porcelain Ware and Silks.....
45	Imperial Gallery.....	Display of Dry Plate Photography
26	Immigration Association of California.....	Products of this State
17	International Tile Co.....	Display of Tiles
22	Indianapolis Chair Manufacturing Co..	Display of Furniture
44	Irving, Mrs. M. K.....	Crayon Portrait

J

21 Jacobs, B. F.....	Patent Wagon Hub
13-17 Jackson, P. H. & Co.....	Gas Stoves, Artificial Stone and Glass Pavement.
18 Jantzen, Fred.....	Coal Oil Lamps
29 James, Miss Minnie.....	Ladies' Dress Suits

Class.

- 5 Jenne Manufacturing Co.....Interest Indicators
 13 Johnson, C. N.....Champion Stove Pipe, Shelf and Support
 6 Johnson, Geo.....Quicksilver Feeder
 44 Johnstone, Ezra McD.....Engravings on Coal, representing Shakespeare, Carlyle, P. Bolivar, and himself.
 43 Josephi, Miss Eve.....Barbotine Vases
 11-12 Judson Manufacturing Co.....Victor Mowers, Orchard Harrow, Cast Hardware, Files, Tacks, Horse-shoe nails, and fine Lath nails.

K

- 31 Kalliodont Manufacturing Co.....Dental Toilet Article
 40 Kalisky, Fanny.....Embroidered Table Cover
 21 Kerr, David.....Two or Four Horse Truck, Platform Spring Ambulance for moving Dumb Animals.
 7-22-24 Keystone Wringer Co.....Clothes Wringers, Carpet Sweepers, Spring Beds.
 29 Kelly Bros.....Display of Corsets
 21 Kennedy, James P.....Patent Wagon Jack
 45 Klain, Julius Joshua.....In-door Photography
 45 Klain, N. M.....Display of Photographic Views
 11 Kilgore, Ira B.....Side Hill Plow
 40 King, Mrs. C. W.....Crazy Table Cover
 25 Kinkler, Schoening & Co.....Leather Button-hole Linings
 25 Kingsbury, D. C.....Automatic Farm-gate
 17 Kimball, S. P. & Co.....Cal. Puzzolana Cement
 12 Kittredge, A. E.....Iron Fencing and Cresting
 21 Killey, R.....Buckboard
 20 Kohler & Chase.....Brass String and Reed Instruments, Banjos, and Musical Merchandise.
 40 Kramer, Mrs. P. J.....Chenille, and Kensington Embroidery
 10-29 Kraker & Israel.....Embroidery Machine and Work
 40 Kreling, Mrs. B.....Crochet Twine Work
 28 Kruger, J. H.....Display of Walking Canes

L

- 31 Lake, Henry.....Shoe Blacking, Cal. make
 44 Laffin, Mary L.....Crayon Portrait
 5 Landgrane, F. O.....Change Gate for Street Railway Cars
 47 Lazarus, L.....Peaches
 13 Laughlin, S. B. & Co.....Royal Baking Pans
 36 Labadie, F. A.....Map of the Mexican States
 44-45 Lainer, Chas. & Co.....Display of Photography and Crayon Portrait

Class.

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| 34 | Lachman, S. & Co..... | Display of California Wines |
| 40 | Langrehr, Miss Marie..... | Six Pictures in Embroidery |
| 7 | Lackey, N. L..... | Suction Washing Machine |
| 43 | Lathrop, Miss Ida..... | Bronzed and Burnished Vases, Panels, etc. |
| 40 | Leale, Clara..... | Crochete Tidy |
| 29 | Lewis, Mrs. R. G..... | Paper Patterns for Ladies' Suits |
| 23 | Liesenfeld, P..... | Billiard Tables, Cushions, Balls, Racks,
Cues, etc. |
| 14 | Liddle & Kaeding..... | Assortment of Fire Arms, Fishing Tackle,
and Sporting Goods. |
| 43 | Linforth, James..... | Sample of White Bronze Monuments and
Statuary. |
| 26 | Liebes, H. & Co..... | Display of Furs and their manufacture,
including Seal Skin Cloaks, Caps,
Satchels, Fur Robes, Furs cleaned
and colored; Goat, Sheepskin and
Fur Mats, Fur Hats, Caps, and
Gloves, Fur-lined Garments. |
| 28 | Litchfield, J. M..... | Military and Society Goods |
| 40 | Lord, Miss Lizzie..... | Worsted Horseshoe and Bouquet |
| 12-22 | Lock Spring Mattress Co..... | Lock Spring Mattresses |
| 40 | Lyne, Mrs. C..... | Rustic Stands |

M

- 24-31 Magazine Brush Man'g Co.....Stove Brushes, Stove Lustre, and
Color Restorer.
- 38 Matthay, H. H.....Opera Glasses, Microscopes and Jewelry
- 20 Mauvais, Zeno..Display of Musical Instruments, including
Brass and Wind Instruments,
Pianos, Organs, etc.
- 19 Mallon, John.....General Display of Ornamental Cut, Stained,
and Embossed and Bent Glass.
- 40 Marston, Mrs. A. M.....Oriental Quilt and Scarf to match
- 27 Macbeth, Mrs. S. R.....Persian Rug
- 1 Mailer, John.....Mailer's Grate Bars, and Furnace door liners
- 3 Marwedel, C. F.....Machinests' and Moulders' Tools, Prentiss
Vises, Lathe Chucks, etc.
- 22 Marwedel, E. H.....Brass Bedsteads, Curtains, Poles and Rods
- 36 Marwedel, Miss Emma.....Kindergarten Work
- 45 Mayers, Mrs. S.....Japanese Photographs
- 40 Martinez, FranciscoEmbroidery, Lace Work and Needle Work
- 40 Mast, Miss Emma.....Bead Work
- 2-5-11 Mast, P. P. & Co.....Display of Agricultural Machinery, including
Harrows, Sowers, Buckeye presses,
Buckeye pumps, Force pumps,
Wind wheels, etc.

Class.

- 10 Mooney, John H.....Bag Sewing Machine
 25 Main and Winchester.....General Display of Harness and Saddlery, Blankets and Rugs.
 45 Mathews, A. E.....Display of Photographs and Badges
 2 McCarthy, Chas. P.....Tuerk Water Motor
 42 McCormick, Miss Eva.....Decorated China and Lustre Painting
 21 McCue, M. J.....California made Carriage, Coupé, Top Rockaway, Buggies, Cabriolet, Rockaway, Open Buggies, Blacksmith work.
 38 McGrew, A. F.....Model for underground Electric Wires
 47 McLaughlin, Stiles.....Fox Cling Peaches
 21 McLaughlin, J.....Thill Coupling
 44 McMahan, Miss E.....Map of Pacific States, Drawing in India Ink
 25 McNulty, P. F.....Hand-made Boots and Shoes
 36 Meriam, J. C.....Display of Maps and Atlases
 7 Mervin, E. W.....New Becker Washing Machine, Wringers, Combination Step-ladder, Wash-tub, Bench and Ironing Board.
 46 Meyer, Wm. & Co.....Display of Plants and Flowers
 21 Merserau, A. S.....Side Bar Two-Seated Phaeton, Dexter Buggy
 7-18-19 Metzger, M.....Patent Door Knob, Clothes Washer, Patent Gas Lighter.
 21 Milliken, F. C.....Dump Wagon
 45 Michigan Portrait Co.....Enlarged Portraits
 20 Morrell, Charles.....California-made Banjos
 32 Morton, Thomas.....Samples of Coal
 44 Morris, Adolph.....Pen and Ink Sketch
 36 Moore, W. S.....For Golden State Amateur Press Association, Amateur Books and Newspapers.
 33 Morton, J., Jr.....Parisian Sauce
 13-14 Moise, L. H.....Changeable Rubber Type Box, and Self Inking Stamp, Patent Fruit Steamer for Preserving Fruit in Glass.....
 33 Moise, Mrs. L. H.....Preserved Fruit in Glass, Home Made
 40 Mortensen, Mrs. B.....Crochet Spread and Worsted Bureau Pieces
 42-44 Morgan, Mrs. C. H.....Crayon Portrait, Painted Fire Screen
 11 Molini, F.....Hand Pea-Shelling Machine
 22 Morse, Miss Carrie.....Double Crib for Children
 33 Mohlfeldt, Louis.....Home-made German Mustard Pickles
 44 Morris, Adolph.....Crayon Drawing
 17 Montague, W. W. & Co.....Display of Tiles, Marbleized Iron Mantels, Wood Mantels, Fire Grates, Fire Places, Art Work.
 30 Murray, Mrs. Carrie.....Display of Turkish Tobacco, Cigarettes, Latakai Cigars, and Cigar Manufacture.

Class.

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|----|------------------------------------|---|
| 24 | Mueller, Alois..... | Ice Box |
| 40 | Murray, Misses Ellen and Rosie.... | Native Ferns, Grasses, and Mosses
of Marin County. |
| 13 | Myers, John F. & Co..... | Adams & Westlake, Monarch Oil and
Gas Stoves. |

N

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| 17-42 | Nathan, B. & Co... | General Display of Art Goods, Statuary,
Paintings and Engravings, China
and Glass Ware (see Art Catalogue) |
| 43 | Neil, Mrs. S. F..... | Modelled Mirror |
| 43 | Newton, J. K..... | Meerscham Pipe, (Carved) |
| 12 | Nutting, Calvin & Son..... | Tubular Iron Wheelbarrows |
| 8 | Nunan, Edward..... | Lightning Hose Coupling |



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|---------|--------------------|--|
| 29 | Ober, M. H. & Co | Corsets and Waists |
| 1 | Ohmen, W. H | Horizontal and Upright Steam Engines
in Motion |
| 4-14-21 | Osborn & Alexander | Bicycles, Tricycles, Mechanics' Tools,
Hardware and Foot-power Machinery. |
| 1 | Ohmen & Simmons | Automatic Cut-off Steam Engine |
| 44 | Owen, S. A | Mechanical Drawings of Steamboats |

P

- 4-16 Pacific Saw Man'fg Co.....Display of Circular, Mill, Muley, Drag,
Cross-cut, Pit, Hand, Ice, Butcher
and Pruning Saws, Planer and
Currier Knives, Plasterers' Tools,
etc.
- 22 Pacific Spring and Mattress Co....Improved Crandall Spring Beds,
Sofa Beds, Bed Lounges, Parlor
Sets, Turkish Chairs, Spring and
Hair Mattresses, Pillows, Bolsters,
Iron Bedsteads, Wire Mattresses,
Mattress Springs, etc.
- 37 Pacific Gold, Silver and Nickel Plating Works.....Plated Ware
- 45 Pacific Coast Amateur Photographic Association.....Display of Pho-
tographs.
- 38 Pacific Thompson-Houston Electric Light and Power Co.....Dynamo
Machine, Lamps and Fixtures.
- 11 Parmelee, Elmer E.....Fisk's Automatic Seed Planter
- 38 Pacific Electric Co.....Electric Pad Truss, Duplex Galvanic Belts,
Catarrh Cure.
- 24 Pacific Coast Screen Co.....Magic Window Screen

Class.

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|-------|----------------------------|---|
| 45 | Partridge, Sam. C..... | Dry Plate Photographs |
| 40 | Peake, Chas. & Co..... | Turkish Rugs |
| 44 | Perry, Miss H. M..... | Crayon Portraits |
| 32 | Peeler, E. J..... | Collection of Coins, Ancient and Modern |
| 9 | Peters, C. T..... | Two Miniature Ships, Full Rigged |
| 45 | Perkins, A. J..... | Landscape Photography on Dry Plates |
| 27-31 | Phelps, Foster & Co..... | Renovated Rugs and Carpet, Patent
Cleansing Preparation. |
| 27 | Pioneer Woolen Factory ... | General Display of Blankets, Cassimeres,
Flannels, Ladies' Dress Goods,
Ladies' and Gent's Underwear,
Shawls, etc. |
| 28 | Poheim, Joe..... | Gent's Custom-made Clothing, and Display
of Cloths. |
| 40 | Poole, Mrs. Ella M..... | Felt Piano Cover |
| 28 | Preston, A..... | Uno Sombrero, or Cow-boy's Hat |
| 7 | Purcell, G. M..... | California Washing Machine |

Q

- 30 Quigley & Son.....Tobacco and Cigarettes

R

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|--------|---------------------------------------|--|
| 46 | Ransome, Miss Lily..... | Kindergarten Work |
| 47 | Ramsey & Wyers..... | White Grapes |
| 6 | Radovich, L..... | Adjustable Rock Breaker, Assayers' and
Chemists' Rock Breaker and Pul-
verizer, Horseshoe Pan Concen-
trator. |
| 37 | Raphael, Nat. & Co..... | Display of the "Mechanics' Watch" |
| 22 | Rentschler, F..... | Upholstery, Patent Extension Bed Lounge,
Cheese Safes, Extention Chair,
Carpet Rockers, Chamber Set. |
| 6 | Redstone, A. E..... | Planet Quartz Mill |
| 25 | Rees, Eli..... | Pair of Shoes |
| 33-43 | Richards & Harrison..... | Automatic Revolving Tea Firer, Japan-
ese Teas, Japanese Art Statue.. |
| 1-6 | Rix, E. A. & Co..... | Gas Engine, Rock Drill, Air Compressor |
| 1-12 | Risdon Iron and Locomotive Works..... | Heine's Patent Safety Boiler,
185 H. P., Macbeth's Steel Pulleys. |
| 1-5-11 | Rice, H. W..... | Sulky Plows, Baling Press, Steam Governor,
Jack Screws. |
| 9 | Rogers, Alfred..... | Racing Barge |
| 40 | Rosenblum, Mrs. H. L..... | Crazy Table Cloth, Log Cabin Quilt,
Feather-edged Shams. |
| 43-44 | Roth, M..... | Crayon Drawings, One Statuesque |
| 40 | Rottanzi, Silvia..... | Worsted Figured and Embroidered Table
Cloth, Linen Embroidery. |

Class.

- 5-31 Royal Mustard Mills.....Mustard and Oil Machinery in Operation,
Mustard Oil.
- 38 Roach, John.....Mathematical and Optical Instruments
- 31 Robison, Madame.....Manicure and Toilet Articles
- 31 Rutherford, Mrs. H. M.....Reed's Lightning Engraving Fluid,
Silver Polish.
- 33-40 Runyon, Mrs. Sol.....Jams, Jellies, Spiced Fruit, Pickles, etc.,
Home-made; Display of Needle-
work.
- 47 Runyon, Sol... ..Display of Fruit
- 45 Runnels & Stateler.....Display of Out-door Photography
- 31 Russia Cement Co.....Liquid Fish Glue and Mucilage
- 19 Ryhner, Joe.....Patent Window Shutter

S

- 31 Safety Nitro Co.....Display of High Explosives, Caps and Fuse
- 1-2-3 San Francisco Tool Co.....Steam Engine, Lathes; Boring, Drilling
and Shaping Machines; Mining,
Centrifugal and Turbine Pumps,
Gauges, Reamers, Measuring Ma-
chine, etc.
- 17 San Francisco and Pacific Glass Works....Flint, Blue, Green and Am-
ber Glassware, Druggists' Glass-
ware, Cut and Engraved Glass,
Pavement and Footlights, Patent
Self-sealing Fruit Jars.
- 21 Sanborn, A. W. & Co.....Display of Wagons
- 3 Sanborn, C.....Chain Pulley
- 19 Sanborn, A. I.....Newell Posts
- 43 Sala, G. F.....Marble Statuary
- 11 Sainsevain, P.....Grape Crusher and Stemmer
- 19 Scovern, S. G.....Sample of Fret Sawing
- 19 Schiller, C. F.....Plaster Center Pieces and Cornice
- 1-25 Schenck, W. T. Y.. ..Flax Steam Packing, Gauge Glasses and
Cotton Hose.
- 33 Scott, McKean & Co.....Deep Sea Brand of Baltimore Oysters,
Canned Fruit and Vegetables.
- 8 School, M.....Fire Escape
- 19 Schussler Bros.....Picture Frame
- 5 Schurch, A.....Model of Mining and Dental Drill and Milling
Machine.
- 32 Schuelte, Emma.....Collection of Buttons
- 46 Seitz, Miss Marie.....Floral Bouquet
- 45 Sewall, D. & Co.....Display of Photography
- 40 Senler, Mrs. H. A.....Worsted Robe
- 31 Shipley, Prof. R. K.....Tape Worm Medicine

Class.

40-42	Shamp, Fannie F.	Decorated China, Lace and Fancy Needle Work
29	Sherman, Mrs. E. A.	Lace Handkerchief
8	Shore, Chas. P.	Portable Fire Escape
21	Shaber, J.	Horse Detacher
21	Shaw, W. E.	Display of Carriages and Carts
46	Sievers, J. H.	Display of Plants and Flowers
19	Simon, John	Patent Door Knob Alarm
24-31	Slater, J. D. & Co.	Brushes, Brooms, Mop Holders, and Bluing for Laundry Use.
1	Slocomb & Co.	Dibble Lubricators
31-24	Slaven, H. B.	Fruit Salt, Perfumery, Cal. Wines and Brandies.
44	Smith, F. M.	Pencil Drawing
40	Smith, Miss I. S.	Crochet Tidies and Spread
19	Smith, J. D.	Picture Frame
31	Smith, Barlow J.	Caloric Vital Oil
19	Smith, John	Window Blinds
45	Smith, Miss Lizzie	Colored Photographs
40	Smith, Rika	Picture in Embroidery
44	Smythe, W. H.	Mechanical Drawing
31	Soutenir, Madame	Toilet Articles
26	Sonderup, Wm.	Sheep-Skin Jackets and Skins
21	Soule, E.	Wagons, Cart, Family Wagon
44	Southern, T. R.	Specimens of Penmanship, Engrossing, Lettering' Card Work, etc.
38	Sperry Electric Light Co.	Display of Arc and Incandescent Light- ing, on same Circuit.
27 31	Spaulding, J. & Co.	Renovated Carpet and Rugs, Cleaning Compound.
4	Spaulding, N. W.	Inserted Tooth and Chisel Bit, Circular Saws, Bit Grinding Machine.
42-43	Stroufe, Susie E.	Painting on Plush and Barbotine Work
40	Steever, Mrs. M. E.	Afghan and Lap Robe
35	St. John, H. L. & Co.	Root Beer
21	Stein, C. W.	Display of Carriage Materials
19	Strong, Harriet W. R.	Bedford Window Attachment for rais- ing and lowering Windows.
11-13-39	Stevens, Mrs. C. W.	Adjustable Shoulder-brace and Suspender, Golden State Fruit Dryer, Cooking Cabinet.
29	Stewart, Mrs. K. M.	Case of Millinery
21	Studebaker Bros. Mf'g Co.	Landau, Two-seat Surry, Brougham, Trotting Wagon, Victoria, Ladies' Phaeton, Business Buggy, Carriage Top Buggy.
31	Stoddart Bros.,	Perfumery, Toilet Articles and Druggists' Sundries

Class.

- 17 Sutton, Charles.....Artificial Stone
 28 Sutton, Charles, Jr.....Oiled Clothing
 11 Swingle, APea-Shelling Machine

T

- 5 Taaffe, Henry M..Model of Cable Railway and Automatic Safety-guard
 30 Technical School of Cigar Manufacturers' Association.....Display of
 the Manufacture of Cigars by
 twenty-four pupils.
 44 Terry, Mrs. L. A.....Crayon Portrait
 1-2 Thompson & Evans.....Upright Propeller Engine, Double-acting Deep
 Well Pump, Steam Pumps.
 18 Thompson, Geo. C.....Soda Fountain and Apparatus
 40 Thrall, Mrs. C.....Log Cabin Quilt (Silk)
 5 Thomas, J. W.....Lamson Cash Railway in Operation
 18 Thurber, AlfredLamp Bracket
 18 Tibbals, J. STide Gate and Sewer Trap
 5 Tift, E. WDecorative Signs for Business Houses
 18 Titus, J. TPatent Sewer Trap
 22 Townsend, C. H.....Improved Kitchen Table
 14 Truworthy, Mrs. F. M.....Stencil Plates
 36 Traler, Robert.....Paper File
 1 Tucker & Saulsbury.....Sight Feed Lubricators
 44 Turnbull, B. C.....Pen Portrait
 11 Tyack, Henry.....Wine and Cider Press

U

- 13-38 United Gas Improvement Co.... Gas Cooking and Heating Apparatus,
 Improved Gas Lights
 31 Utah Powder Co.....Sporting and Blasting Powder
 44 Usher, Miss C. E.....Crayon and Ink Portraits

V

- 34 Van Amringe, B. F.....Carpenters' Bevel
 40 Vrooman, Miss A. R.....Embroidered Sofa Cushion
 47 Vulecivich, M.....Display of Fruit
 31 Vulcan Powder Co.....Vulcan Powder

W

- 26 Walker, L.,Pacific Coast Wools
 43 Wastell, Mrs. H. A.....Repousse Work
 5 Wales Manufacturing Co.....Street Fare Box and Change Gate
 21 Waterhouse & Lester.....Wagon Wheel
 46 Ware, Mrs. W. H.....Floral Display

Class.

- 31 Western Perfumery Co.....Display of Perfumery and Flavoring
Extracts, Cal. make.
- 18 Weed & Kingwell.....General Display of Brass and Plumbers' Goods,
Steam, Water and Gas Fittings,
Bells, Brass and Composition Cast-
ings.
- 5 Westcot, C. W.....Window Sash Steadier
- 11-31-38 Wellington, B. F.....Coy Running Shears, "Perfect Hatcher"
Incubator, Egg Food.
- 26 Weyand, Julius.....Display of Mohair
- 20 West, William.....Display of Banjos
- 42 Weston, Mrs. Sarah S.....Decorated Porcelain
- 20 Wells, Geo. F....Pianos and Automatic Musical Instruments, Mexican
Onyx.
- 5 Weston, C. W.....Patent Arch Fire Kindler
- 22 West Coast Furniture Co.....Folding Beds and Crib
- 44 Whitney, J. D.....Crayon Portrait
- 47 White, J. F.....Seedling Peaches
- 40 White, Bertha.....Crochet Tidy
- 21 Whitmore, E.....Two-Seat Country Wagon, Buck-board, Piano-
Box Buggy, Two-Seat Family Carriage,
Oscillating Cart—Adjustable Pole.
- 5-11-31 Wickson, G. G & Co.....Remington Type Writer, Pneumatic Copy-
ing Press, De Laval Cream Separator,
Fodder Cutters, Stoddart Churn, Eureka
Butter Worker, Blanchard, do., Wick-
son Harrow, Union Dairy Can, Corn
Cultivator, Egg Food, Dairy Imple-
ments, etc.
- 13 Wiester & Co.....Howe's California Oil Stove, Oil Cooking
Apparatus, and General Display of
Household Utensils.
- 15-38 Wilshire, W. B. & Co.....Fire and Burglar-proof Safes,
Display of Scales of Buffalo Scale Co.
- 40 Wise, Mrs. M. H.....Patch Work Quilt (Silk.)
- 40 Wilkins, Mrs. Mollie.....Crazy Quilt and Pillow Shams
- 16 Will & Finck.....General Display of Cutlery
- 2 Wiles, J. M.....Rotary Pump and Horse Power
- 5 Wool, John.....Propeller (Model)
- 37 Wood, Geo. M.Door Plates
- 32 Woodward's Gardens.....Specimens of Natural History
- 33 Wulff, P.....Mustard, Pickles and Sauce

CATALOGUE

OF THE

ART DEPARTMENT.

Title.	Exhibitor.
Carmel Mission.....	Susie Sroufe
Fruit.....	W. O. Emerson
Marguerites.....	Susie Sroufe
Roses.....	Susie Sroufe
Peaches.....	W. O. Emerson
Cherries.....	Susie Sroufe
Just from Market....	Susie Sroufe
Zilla—Gipsy Girl.....	A. Buckley
Russian River (Cloverdale)....	Miss Daisy Smith
Flower Piece.....	Annie Oestermann
Marine.....	M. H. Moore
Magnolias.....	Susie Sroufe
A Bit of Landscape.....	Susie Sroufe
Royal Poppy.....	Susie Sroufe
Flower Piece....	Annie Oestermann
Landscape.....	Annie Oestermann
Enid.....	Miss A. Buckley
Tired.....	Mrs. E. A. Wilson
White Rose.....	Susie Sroufe
Rose.....	Susie Sroufe
Plums.....	W. O. Emerson
Cherries.....	W. O. Emerson
Bird Piece.....	W. O. Emerson
Landscape.....	Susie Sroufe
Dish of Fruit.....	Susie Sroufe
Rose.....	Susie Sroufe
Near Lake Champlain.....	R. M. Shurtleff
In a New England Quarry.....	Johannes Oertel
Summer Days.....	A. M. Farnham
The Monopolist.....	Wm. Morgan
Story of the Twilight.....	Constant Mayer
Little Sunshine.....	Geo. C. Lambdin
Tuning Up.....	Walter Shirlaw

Title.	Exhibitor.
The Old Williams' House.....	C. B. Coman
The Spinner.....	Fred James
Hamlet and Ophelia.....	Chas. J. B. Carlson
Satisfied.....	Alfred Fredericks
Coming Home.....	M. Kollock
The Cobbler.....	J. H. Neimeyer
The Broken Pitcher.....	Geo. H. Story
In the Grove.....	Cruseman Van Elten
Gray Dawn	Julian Rix
An Upland Farm	Jervis McEntee
On the Meadows (Sussex, Eng.).....	Wm. Magrath
An Art Votary.....	Benoni Irwin
Peonies.....	Julia Dillon
Winter (New England).....	W. S. Macy
Keeping Guard.....	Widgery Griswold
Her First Proposal....	W. L. Shepard
Quiet Waters of the Mohawk.....	Edward Gay
Grandma's Visitors.....	Geo. H. Roe
Samson and Delilah.....	Hageman and Haquette
The Chimney Corner.....	P. P. Ryder
Peaches	Wm. M. Brown
Grandfather's Slippers.....	E. Wood Perry
The Hunters.....	Geo. Inness
Married in Court	F. Schuchardt, Jr.
View of Mount Willard.....	W. L. Sonntag, N. A.
Live Oaks of Louisiana.....	J. R. Meeker
A Close Shave.....	E. L. Henry
Birdie's Breakfast.....	Percival De Luce
October by the Sea.....	De Forrest Bolmer
Ann Port, Isle of Jersey.....	Thomas Allen
Bacchantes.....	P. F. Rothermel
Hide and Seek.....	J. Wells Champney
Morning in the Meadow.....	Chas. H. Eaton
Early Summer.....	W. C. Bauer
On the Delaware.....	H. A. Granberry
On Lake George.....	G. W. Waters
Portrait (late B. B. Redding).....	Thomas Hill
Evening.....	A. H. Wyant
The Toilet.....	J. H. Dolph
Forest, Mount Washington.....	A. Bierstadt
Spring on the Hillside.....	Hamilton Hamilton
La Petite Leonie.....	E. F. Andrews
Rural Scene.....	W. F. Palmer
Evening, Coast of New Jersey.....	F. K. Rehn
On the Desert.....	Frank Waller
Sunset near Morelia (Mexico).....	Thomas Moran

Title.	Exhibitor.
The Spirit of the Storm.....	C. H. Miller
Love's Crown.....	Henry A. Loop
Lady and Harp.....	Miss Beals
Eucalyptus.....	Ada Brewster
Plaque.....	H. R. Fish
Cypress Point.....	Mrs. M. B. Higgins
Who's Afraid?.....	W. O. Emerson
Cactus.....	Annie Oestermann
Tambourine Girl.....	Mrs. F. A. Fish
Landscape (Scotland).....	T. A. Ross
Reverie.....	Mrs. M. K. Irving
Iris.....	M. J. B.
Plaque.....	W.
Snow Scene.....	Miss C. P. Hull
Head.....	A. Goldensen
Flowers.....	H. R. Fish
Flowers.....	H. R. Fish
Fruit.....	M. J. B.
Flowers.....	R. H. Fish
Indian Summer.....	Miss C. P. Hull
City of Genin.....	Mrs. F. A. Fish
Plaque.....	Mrs. F. A. Fish
Scene near Monterey.....	Mrs. M. B. Higgins
Autumn Scene.....	A. Ross
The Mason Boys' Dinner.....	A. Goldensen
Still Life.....	A. Goldensen
Azalias.....	M. J. B.
Poppies.....	Ada Brewster
Eucalyptus.....	Mrs. M. B. Higgins
Ecce Homo.....	Mrs. M. Tojetti
Flowers.....	Annie Oestermann
Head (old painting).....	Miss L. O'Brien
Moonlight on the Hudson.....	Miss C. P. Hull
Landscape	M. O. Sullivan
Flowers.....	Susie Sroufe
The Benediction.....	A. Goldensen
Run Off.....	Mattie Reynolds
Santa Cruz Scenery.....	Miss Rose Boukofsky
Portrait.....	Miss Rose Boukofsky
Waiting for the Mastiff.....	Mrs. A. E. Wilson
Flower Piece.....	Emelia Stallman
Flower Piece.....	Emelia Stallman
Plaque.....	Emelia Stallman
Wallflowers.....	Alice Chittenden
Fruit Piece.....	Miss E. M. Bartholomew
White Oak (San Ramon).....	R. D. Yelland

Title.	Exhibitor.
Monterey Bay.....	R. D. Yelland
Moore's Beach.....	R. D. Yelland
Mount Tacoma.....	R. D. Yelland
Point Arena, Cal.....	R. D. Yelland
Great White Head (Mass.).....	R. D. Yelland
Morning Prayer ..	H. Alexander
.....	Paul Rembrant
The Lost Genius.....	H. Alexander
Portrait.....	Albert Jenks
Portrait.....	Albert Jenks
St. John's Church (Munich).....	H. Alexander
Peaches.....	Mrs. J. E. Brown
Pears.....	S. M. Brookes
Roses.....	S. M. Brookes
Salmon.....	S. M. Brookes
Beggar Boy.....	Emily S. Ryder
Peasant Courtship....	L. Stallmann
Our Guest from Town.....	Wm. Hahn
Cattle.....	Wm. Hahn
Portrait.....	G. Cadenasso
Flowers.....	Mrs. A. E. Wilson
Chickens.....	Capt. J. M. McDonald
Return of the Sheep.....	Miss M. E. Casey
Chrysanthemums.....	Mrs. E. C. Hatch
A Cool Retreat.....	Edwin Deakin
Log Bridge.....	Edwin Deakin
Yosemite.....	Edwin Deakin
Kearsarge and Alabama.....	G. J. Denny
Santa Cruz Scenery.....	Mrs. Rose Boukofsky
Solitude, Winter in Colorado.....	Edwin Deakin
Wasatch Mountains.....	Edwin Deakin
Mill at Work.....	Edwin Deakin
Notre Dame, Paris.....	Edwin Deakin
Village Church.....	Edwin Deakin
House of ye Olden Time: Subject suggested by a House in San Francisco.....	Edwin Deakin
Rue des Chantres.....	Edwin Deakin
Wasatch Mountains (Sunset)	Edwin Deakin
Cascade Lake....	Edwin Deakin
Westminster Abbey.....	Edwin Deakin
Tuilleries (from the Seine).....	Edwin Deakin
Flaming Tokay Grapes....	Edwin Deakin
Sweet Water Grapes.....	Edwin Deakin
Cornshon Grapes.....	Edwin Deakin
Deserted Mill.....	Edwin Deakin
Clamart (near Paris).....	Edwin Deakin

Title.	Exhibitor.
On the Marne, France.....	Edwin Deakin
Alfort, near Paris.....	Edwin Deakin
Rue de Paris.....	Edwin Deakin
Mill Wheel at Salt Lake City.....	Edwin Deakin
Garfield, Great Salt Lake.....	Edwin Deakin
Black Rock, Great Salt Lake.....	Edwin Deakin
Church Door at Cincinnati.....	Edwin Deakin
Panama Bay.....	Edwin Deakin
St. Cloud, near Paris.....	Edwin Deakin
Job's Peak.....	Edwin Deakin
House Finch and Nest.....	W. O. Emerson
Fruit.....	W. O. Emerson
California Hummer's Nest.....	W. O. Emerson
Lilacs and Roses.....	W. O. Emerson
Grapes.....	W. O. Emerson
Thrush's Nest.....	W. O. Emerson
Bullock Oriole.....	W. O. Emerson
Alexander Apples.....	W. O. Emerson
Cherries.....	W. O. Emerson
Cherries.....	W. O. Emerson
Calla Lilies.....	W. O. Emerson
Lilacs.....	W. O. Emerson
Lazuli Buntings and Nests.....	W. O. Emerson
Grapes.....	W. O. Emerson
Pansies.....	W. O. Emerson
California Game.....	W. O. Emerson
Fruit.....	W. O. Emerson
Flowers.....	W. O. Emerson
Bird Piece.....	W. O. Emerson
Roses.....	W. O. Emerson
Mount Hood.....	F. A. Buttman
Ruined Temple of Siam.....	Mrs. M. H. Payne
Flowers.....	H. R. Head
Head.....	Jennie E. Clark
Flowers.....	A. Williams
Flowers.....	Miss L. O'Brien
Dog's Head.....	Jennie E. Clark
Flowers.....	A. Williams
View of Golden Gate.....	Miss Rose Boukofsky
Boys in Trouble.....	Lulu E. Souclers
Last Moments of Mary Stuart.....	Mrs. M. Tojetti
Reverie.....	Miss Rose Boukofsky
Stockton Slough.....	W. A. Coulter
Mt. Tamalpais (Fairfax).....	C. Von Perbandt
Napa Valley.....	C. Von Perbandt
Carmel Valley.....	C. Von Perbandt

Title.	Exhibitor.
Roses.....	J. B. Wandesforde
Roses.....	Miss S. E. Bender
Sheep.....	J. B. Wandesforde
Brook.....	J. B. Wandesforde
Poppies.....	Félicité Fortier
Shells.....	J. B. Wandesforde
Landscape.....	J. B. Wandesforde
Gray Day in Winter (Brittany).....	S. M. Champion
Across Common (Sussex, Eng).....	S. M. Champion
Who Is It?.....	S. M. Champion
Deer (Redwood Creek).....	Paul Ritter
Apaches on the Warpath.....	E. Narjot
Portrait.....	S. W. Shaw
Portrait.....	S. W. Shaw
Portrait.....	S. W. Shaw
Santa Cruz Mountains.....	Wm. Keith
Guayaquil River.....	Norton Bush
Uncle Sam Mountain (Clear Lake).....	Norton Bush
Morning in the Tropics.....	Norton Bush
Sunset off Pescadero.....	Norton Bush
Moonlight in the Redwoods.....	Norton Bush
Headwaters of the Yuba.....	Norton Bush
Waiting.....	Norton Bush
Saucelito Bay.....	Norton Bush
The Isle of Santa Rosa (Guayas River).....	Norton Bush
Tropical River Scene.....	Norton Bush
Tropical Scene.....	Norton Bush
Tropical Scene.....	Norton Bush
Summit of the Sierras in Winter.....	Norton Bush
Rio Buenaventura (Ecuador).....	Norton Bush
Moonlight in the Tropics.....	Norton Bush
Cascade Lake (Sierra Nevada Mts).....	Norton Bush
A Moment of Rest.....	E. Narjot
Waiting for the Attack.....	E. Narjot
Pigeons and Flowers.....	E. Narjot
Incident of the Louvre (Paris).....	E. Nahl
Scene near Tomales.....	C. Von Perbandt
Abbottsford (Trotting Stallion).....	C. W. Smith
Head.....	L. Fitzpatrick
Fisherman.....	L. Fitzpatrick
Waiting for the Master.....	Arthur Nahl
Temptation.....	Arthur Nahl
Little Mischief.....	Arthur Nahl
Egotistical Critic.....	Arthur Nahl
Blue Jay.....	Arthur Nahl
The Family Pet.....	Arthur Nahl

Title.	Exhibitor.
On the Alert.....	Arthur Nahl
Sea Gull.....	Arthur Nahl
The Gleaners.....	Virgil Williams
Capri.....	Virgil Williams
A Bit of Capri.....	Virgil Williams
Portrait.....	L. Fitzpatrick
Chinatown, Los Angeles.....	Virgil Williams
Sheep.....	Matilda Lotz
Dog Head.....	Edward L. G. Steele
Dog Head.....	Mrs. C. C. Cook
Fruit.....	M. Straus
Alameda Creek.....	M. Straus
Lagunitas.....	M. Straus
The Turtle who Wanted to Fly.....	Tameya Kagi
A Fawn.....	Tameya Kagi
Going to Pasture.....	M. Straus
November Day.....	M. Straus
Spring Morning.....	M. Straus
Vicinity of Tokio.....	Tameya Kagi
Cliff House.....	M. H. Moore
San Francisco, Night Scene.....	Tameya Kagi
Still Life.....	Mrs. M. K. Irving
Forest Scene.....	W. H. Palmer
Telegraph Hill.....	Miss E. S. Ryder
Citadel (Cairo).....	A. Ross
Cliff House.....	Miss Rose Boukofsky
Landscape.....	A. Ross
Peaches.....	J. B. Wandesforde
Peacock.....	Miss Rose Boukofsky
School Girl.....	A. Goldensen
Moonlight on the Columbia.....	M. H. Moore
Terrier.....	C. W. Smith
Strawberries.....	Mrs. J. E. Brown
Still Life.....	C. De la Berry
Venus and Cupid.....	D. K. Carlshon
Character Head.....	D. K. Carlshon
Old Mill (Foot of Mt. Tamalpais).....	Chas. T. Wilson
Yosemite.....	F. Shafer
Castle Rock, on the Columbia.....	F. Shafer
Upper Sacramento River.....	F. Shafer
Coast Scene near Monterey.....	F. Shafer
Morning in the Catskill Mountains.....	F. Shafer
In the Santa Cruz Mountains.....	F. Shafer
Evening, Mount Tamalpais.....	F. Shafer
The Alps of California.....	F. Shafer
Evening on San Lorenzo Creek.....	F. Shafer

Title.	Exhibitor.
Shasta Butte.....	F. Shafer
In the Rocky Mountains.....	F. Shafer
Morning in the Redwoods.....	F. Shafer
Cape Horn (Sacramento River).....	F. Shafer
Mount Hood from Portland.....	F. Shafer
Evening in the Santa Cruz Mountains.....	F. Shafer
Near Felton, Santa Cruz Mountains.....	F. Shafer
Morning in the White Mountains.....	F. Shafer
Evening on the Upper Sacramento.....	F. Shafer
Morning on the Upper Columbia.....	F. Shafer
Mount Tamalpais.....	F. Shafer
Sunset on Mount Shasta.....	F. Shafer
Spring Morning.....	F. Shafer
Autumn Evening.....	F. Shafer
Marysville Butte, Evening.....	F. Shafer
Lassen Peak.....	F. Shafer
Carmel Bay (Monterey).....	F. Shafer
Mt. Shasta, from Strawberry Valley.....	F. Shafer
Alameda Point, from the Marsh.....	F. Shafer
Fruit Piece	Rosa F. Lewis
Marine.....	K. A. Ohlen
Fish Piece	Rosa F. Lewis
Mt. Hood, from the Dalles.....	F. Shafer
In the Redwoods... ..	Chas. T. Wilson
Squirrels.....	S. M. Brookes
Fish	S. M. Brookes
Peaches.....	S. M. Brookes
Apples.....	S. M. Brookes
Lilacs.....	Miss E. M. Bartholomew
Cypress Point.....	F. L. Heath
On the Coast of Maine.....	F. Shafer
Bird's Nest.....	Mrs. K. R. Vansano
Fruit.	M. J. B.
Poppies.....	Miss E. M. Bartholomew
Cherries.....	Miss E. M. Bartholomew
White Roses.....	Mrs. E. C. Hatch
Flowers.....	A. Von Ettinger
Oranges.....	Susie Sroufe
Panel.....	Mrs. L. Irelan
Panel... ..	Mrs. L. Irelan
Grapes.....	Susie Sroufe
The Coming Storm.....	: F. L. Heath
Still Life.....	Miss Jessie Kirk
Still Life.....	Miss Jessie Kirk
Solitude.....	Mrs. S. W. Shaw
In the Woods.	Mrs. S. W. Shaw

Title.	Exhibitor.
Mount Hood.....	Mrs. E. C. Hatch
Castor Bean.....	Mrs. E. C. Hatch
Flowers.....	Lulu E. Sonders
Landscape	Michael O'Sullivan
Flowers.....	Mrs. Dora N. Williams
Pansies.....	Mrs. Dora N. Williams
Chrysanthemums.....	Mrs. Dora N. Williams
Roses.....	Mrs. Dora N. Williams
Spring, Platte Valley (near Denver).....	Wm. Winter
Lowlands of Kentucky.....	Wm. Winter
Hollyhocks.....	Mrs. Dora N. Williams
Hollyhocks.....	Mrs. Dora N. Williams
Consider.....	Mrs. Helen Brodt
Spring.....	Mlle. Pauline Granjean
Roses.....	Mlle. Pauline Granjean
Fairy Glen.....	M. H. Moore
Bishop's Head.....	M. H. Moore
Landscape	Joseph W. Reay, Jr
Alpine Flowers.....	M. H. Moore
Flowers.....	Mrs. L. Irelan
Flowers.....	Mrs. L. Irelan
Pansies.....	Mrs. L. Irelan
Flowers.....	Joseph G. Eastland
Flowers.....	Joseph G. Eastland
Grapes.....	Ada Piatt
Flowers.....	Ada Piatt
The Evening Walk.....	J. A. Hecht
Little Mischief.....	J. A. Hecht
Portrait.....	J. A. Hecht
Tulips.....	Unknown
Normandel Farm Yard.....	S. M. Campion
Portrait	Mr. W. H. Mills
Portrait, James G. Blaine.....	S. M. Campion
Forest.....	J. D. Bodwell
Bethany.....	H. C. Beals
Portrait.....	Mrs. C. E. Danielwitz
Portrait.....	E. S. Ciprico
Portrait.....	Mrs. C. E. Danielwitz
Portrait.....	Mrs. Solomons
Portrait.....	Miss Birdie Rice
Portrait.....	E. A. Bernstein
Four Children.....	Mrs. F. S. Chadbourne
Portrait.....	Mrs. Marriner Campbell
Portrait.....	Mrs. Bullard
Portrait.....	R. E. Higgins
Portrait.....	E. B. Coggins

Title.	Exhibitor.
Portrait.....	Unknown
Portrait.....	E. Wright
Portrait.....	E. Wright
Portrait.....	E. Wright
Fisherman's Home.....	Mrs. C. D. Marwedel
Banyan Tree.....	Charles Holey
Portrait.....	E. Wright
Flowers.....	Mrs. Dora N. Williams
Lice Plant.....	M. H. Moore
Morning Glories.....	M. H. Moore
On the Saco River.....	Mrs. M. K. Irving
Ideal Head.....	Unknown
Sketch (Figure).....	Chris. Jorgensen
Sketch (at Lagunitas).....	Miss Clara McChesney
Sketch (at Berkeley).....	Miss Clara McChesney
Old Barn at Alameda.....	Miss Clara McChesney
Sketch (Figure).....	Miss Clara McChesney
Sketch (Figure).....	Miss Clara McChesney
Old Mill at Webster's, Alameda.....	Miss Clara McChesney
Saucelito Beach.....	Miss Clara McChesney
Sketch (at Lagunitas).....	Miss Clara McChesney
Landscape.....	J. B. Grimwood
Roses.....	Mrs. R. G. Lewis
Sketch (Figure).....	Miss Fanny Randal
Sketch.....	Miss Nellie Richardson
Italian Beggar Boy.....	Mrs. F. A. Fish
Mountain Home.....	P. H. Maas
Landscape.....	Miss C. E. Usher
Circassian Dancing Girl.....	Miss Hyams
Christmas Morn.....	Miss O. Merkle
Portrait.....	Miss C. E. Usher
Easter Morn.....	Miss O. Merkle
Flowers.....	Miss O. Merkle
Fruit.....	Emelia Stalman
At the Spring.....	A. Goldensen
Flowers.....	Unknown
Summer Rambler.....	Miss Lizzie Smith
Fruit (Plaque).....	Miss Lizzie Smith
Day Dawn.....	M'lle Delabare
Twilight.....	M. H. Moore
A Massachusetts Roadside.....	Mrs. M. K. Irving
Pencil Drawing.....	F. M. Smlth
Pen Drawing.....	Adolph Morris
Lilacs.....	Mrs. E. C. Hatch
Thistles.....	C. De la Berry
Still Life.....	Mrs. E. C. Hatch

Title.	Exhibitor.
Screen.....	Mrs. Morgan
Decorated Mirror.....	Miss Rose Boukofsky
Colored Photos.....	Miss Lizzie Smith
Ideals.....	Mrs. Sutherland
Portrait.....	S. L. Hecht
Portrait.....	Miss L. Hyams
Portrait.....	E. C. Hatcn
Water Color.....	Mrs. E. A. Uptoh
Lost.....	E. McD. Johnson
Portrait.....	L. A. Terry
Portrait.....	Miss C. E. Usher
Portrait.....	C. H. Morgan
Portrait.....	E. A. Bernstein
Portrait.....	G. Cadenasso
Portrait.....	E. S. Ciprico
Portrait.....	Miss C. E. Usher
Architectural Drawings.....	G. Behrne
Architectural Drawings.....	G. Behrne
Singing the Marseillaise.....	M. Roth
Portrait.....	E. Wright
Portrait.....	Mary Laflin
Portrait.....	G. Cadenasso
Sketches.....	Ada and Nellie Scribner
Portrait.....	E. M. Reynolds
Portrait.....	Arthur van Babo
Flowers.....	Miss A. Carter
Portrait.....	H. B. Ten Eyck
Sketches.....	Ada Brewster
Fr. Junipero Serra.....	Arthur Nahl
Portrait.....	A. van Babo
Sketches.....	Eva S. Scribner
Portrait.....	F. G. Irving
Portrait.....	A. van Babo
Portrait.....	Miss H. N. Perry
Portrait.....	Miss H. N. Perry
His Favorite Flower.....	M. Roth
Portrait.....	A. van Babo
Portrait.....	Adolph Morris
Portrait.....	Ada Brewster
Portrait.....	Ada Brewster
Sketch.....	C. P. Grimwood
Portrait.....	Dr. J. M. Eaton
Portrait.....	Dr. J. M. Eaton
Portrait.....	Ada Brewster
Landscape.....	H. S. Fonda
Still Life.....	H. S. Fonda

Title.	Exhibitor.
Still Life.....	H. S. Fonda
Landscape.....	H. S. Fonda
Marine.....	H. S. Fonda
Plaque.....	H. S. Fonda
Plaque.....	H. S. Fonda
Sepia Drawing.....	Unknown
Landscape.....	F. M. Day
Peaches	Mrs. M. K. Irving
Calla Lillies.....	Sarah Du Prey
Plaque.....	Miss V. Huppert
Study, Head.....	Chas. Prosch
Pen Drawing.....	Carl Eisenschimmel
Game Piece.....	Minnie L. Berry
Landscape (Plaque).....	Minnie L. Berry
Grapes (Plaque).....	Minnie L. Berry
Marine View.....	Minnie L. Berry
Landscape.....	Miss F. A. Fish
Bird's Nest.....	Unknown
Lake Lucerne.....	Violet M. Brown
Copy after Rubens.....	Unknown
Egyptian Scene.....	Theo. Frère
The Harvest Festival.....	L. Toussaint
Egyptian Scene.....	Theo. Frère
Decorated Mirror.....	Mrs. T. Sturgis
Calla Lilies.....	Minnie L. Berry
Portrait.....	C. P. Brownlee
Landscape	E. H. Weakman

B. NATHAN & CO.'S EXHIBIT.

Title.	MARBLE STATUARY.	Artist.
After the Bath.....	After Jean de Bologna	
The First Quarrel.....	C. Lapini, Florence, Italy	
The Gladiators.....	Lotta	
Rape of the Sabines.....	After Jean de Bologna	
Love and Psyche.....	After Antonio Canova, 1793	
Industrious Boy.....	Mandini	
The Truant.....	Mandini	
The Boy and His Monkey.....	Romanelli	
Sorpresa.....	Original by C. Lapini	
Frileuse.....	Romanelli	
Surprised.....	C. Lapini	
Diver.....	Frilli	
Bather.....	Frilli	
Esmeralda.....	Bazzanti	
Shepherd Girl.....	Bazzanti	
La Frileuse.....	G. Lambertini	

Title.	Artist.
Masque after the Ball.....	G. Lambertini
Napolitan Fisher.....	F. Vichi
Bust of Mousquetaire.....	Corsinori
Bust of Chatelaine.....	Corsinori
Savoyard and His Flute.....	F. Vichi

BISQUE.

La Source.....	Viron
Bust of Grevy.....	National Manufacture of Sevres

ONYX.

Vases, mounted on Enameled Brass.....	Louchet, Paris
Card Receiver, Gilt Bronze, mounted.....	Louchet, Paris
Vase, mounted on Gilt Bronze.....	Louchet, Paris

BRONZES.

Mephisto.....	French
Sirene.....	Italian
Perfume Flambeau.....	Florentine
Antique Pompeiian Wine Jug.....	Roman
Equestrian Statue of a Roman Senator.....	Roman
Nautilus, Antique Gilt Brass.....	Berlin
Coal Hod, Antique Gilt Brass.....	Paris

PAINTINGS ON PORCELAIN.

Salon Tyroler.....	Munich Painting, after Deffreger
The Proposal.....	Erdmann
Engagement.....	Erdmann
Italian Girl.....	Robbins
Italian Girl (companion to above).....	Robbins
Scene in a Harem.....	L. Fuchs
Landscape.....	E. Buffet
Landscape.....	E. Buffet
Fisher Woman.....	L. Fuchs
Fisher Woman.....	L. Fuchs
Warrior.....	Perillon
Wheat Gatherer.....	L. Bing
Lady.....	Mengel
Aline.....	Richter
Landscape.....	E. Buffet
Landscape.....	E. Buffet
Evening.....	Kaulbach
Morning.....	Kaulbach
Mounted Plaque.....	Catelin
Marguerite.....	Bertrand
Cinderella.....	Bertrand
Spinning Girl.....	R. Epp

Title.	Artist.
PAINTINGS ON FAIENCE.	
Fruits.....	Guillaume
Fruits.....	Guillaume

SUNDRIES.

Imitation of East India Inlaid Work.....	Royal Worcester
Cupid Victorious (Group).....	Royal Meissen
Lady, with Vail, (Figure).....	Royal Meissen
Water Jug.....	Doulton
Turkish Coffee Pot	Doulton
Flower Vases.....	Doulton
Hispano-Mooresk Alhambra Vase.....	Urbino
Celebrated Faience, from Count Ginori's Atelier.....	Florence
Majolica Jardinieres and Pedestals.....	Italian

FURNITURE.

Genuine Antique Cabinet.....	Chinese
Lady's French Writing Desk.....	Parisian
Ebony Writing Desk, Inlaid Engraved Ivory.....	Venitian
Louis the XVI Cabinet.....	Parisian
Writing Desk.....	Parisian
Mosaic Table.....	Florence
Bronzed Wood Table.....	American
Bronzed Wood Pedestal.....	American



Report of the Committees of Award

UPON THE

VARIOUS ARTICLES EXHIBITED

AT THE

Nineteenth Industrial Exhibition.

The recommendations of the Jurors, as to what the premium should be, have been omitted from the Reports. The awards, as given by the Board of Managers, are printed in Italics and made in accordance with the Premium List, except where specially mentioned. In a few instances meritorious articles were unintentionally overlooked or omitted by the Committees in their examination. Such cases were considered by the Managers and will be found in the proper class. ALL awards, either Medals or Diplomas, are FIRST PREMIUMS, no second best being given.

CLASS 1.

Steam Engines, Boilers and Appliances.

JURORS:

W. H. MILLIKEN,

H. P. CHRISTIE,

CHARLES ELLIOT.

After a careful examination, we would respectfully report the following, as our recommendations:

OHMEN & SIMMONS.—Automatic Cut-off Steam Engine, in motion.

Gold Medal.

JOSHUA HENDY MACHINE WORKS.—Steam Engine with Plain Slide Valve, in motion, and Vertical Engine and Boiler combined, in motion.

Silver Medal for each.

GEORGE BULL & Co.—Portable Steam Engine on wheels for general use.

Silver Medal.

HAWLEY BROS. HARDWARE Co.—Rice's Straw Burning Engine.

Silver Medal.

THOMPSON & EVANS.—Upright Yacht Engine, in motion. *Silver Medal.*

H. W. RICE.—Steam Engine Governor, of California make.

Bronze Medal.

TUCKER & SAULSBURY.—Lubricators.

W. T. GARRATT.—Lubricators.

H. SLOCOMB & Co.—Lubricators.

These Lubricators for Steam Engine Cylinders were all of the "Sight Drop Feed" Style. We consider them all meritorious, but could not decide which is the most so without practical test.

Diploma awarded to each.

JOHN MAILER.—Improved Grate Bar and Furnace Lining. *Diploma.*

W. T. GARRATT.—Boiler Feed Injector. *Bronze Medal.*

H. P. GREGORY & Co.—Otto Silent Gas Engine, in motion.

Silver Medal.

RISDON IRON & LOCOMOTIVE WORKS.—Heine's Patent Steam Boiler.

Silver Medal.

DOWNIE BOILER INCRUSTATION PREVENTATIVE Co.—Scale Preventative.

** Diploma.*

GARCELON & WOOD.—Rotary Steam Engine.

** Bronze Medal.*

* Dissented to by Mr. Elliot.

It is to be regretted that the Committee, composed of gentlemen of high mechanical ability, did not give a more extended description of the articles in this Class. Being mostly of California make and possessing points of excellence and superiority, it will be a disappointment to many to see the brief report here given.

CLASS 2.

Hydraulic Machinery and Steam Pumps.

JURORS:

J. KIRKE WHITE,
A. HARDING,

S. A. OWEN.

JOHN W. BROWN,
S. BRUNAN,

We have the honor to submit the following report on articles exhibited in Class 2. Though not as elaborate as we at one time anticipated to make it, owing to the absence of the proper appliances for making competitive tests, we were compelled to arrive at most of our decisions from careful examination,

together with personal observation and inquiry. We thereby agree to and submit the following report:

DIRECT ACTING STEAM PUMPS.—There were two pumps of this class on exhibition, each of California invention and make. Your committee would respectfully report that after a careful examination of these two pumps, and in the absence of any appliances for the proper testing of same, we are unable to arrive at a decision as to the superiority of either, both being of California make, and each deserving the highest recommendation for their many points of excellence.

W. T. GARRATT.—Direct-Acting Deep Well Pump. “Hooker’s Patent.”
Goss & Dow.—Direct-Acting Deep Well Pump.—These pumps are of California make and invention, and the workmanship on each excellent. We recommend the award to Goss & Dow for the general superior design and construction with reference to accessibility in case of repairs; for excellent distribution of water, one-half being lifted on the upper and one-half on the lower stroke, thus maintaining a steady discharge; for positiveness and accessibility to valve motion and the facility with which the cushion can be regulated on either end.

** Silver Medal.*

Goss & Dow.—Direct-Acting Mining Pump.—We consider this pump worthy of special notice, from its being the first of its description regularly manufactured on the coast, its every detail being designed and fitted with every requirement for the purpose intended, showing familiarity on the part of the manufacturers with the necessary requirements for such pumps, one of its novel features being the condensing apparatus. This is a simple device for disposing of the exhaust steam. The special facility with which the bucket of the pump may be detached and its general adaptability for the purpose intended will no doubt be appreciated by the mining community.

Silver Medal.

W. T. GARRATT.—Hydraulic Pump.—We would recommend an award for its general superiority for the purpose designed, and for the very excellent workmanship displayed thereon.

Silver Medal.

W. T. GARRATT.—Horizontal Plunger Pump.—We would recommend an award to this pump for its simplicity, durability and general adaptability for pumping muddy or gritty water.

Silver Medal.

THOMPSON & EVANS.—Direct Acting Fly Wheel Pump, California invention and make.—These pumps we would recommend an award for their simplicity, durability and certainty of action.

Silver Medal.

THOMPSON & EVANS.—Direct Double-Acting Deep Well Pump, California invention and make.—This is a Fly Wheel Pump fitted with a plain slide valve, operated by an eccentric, the same as an ordinary steam Engine. The points of excellence noted in the preceding Pump, would apply to these.

Silver Medal.

* “The Hooker Pump I consider superior.”—S. A. Owens.

P. P. MAST & Co.—Hand and Wind Mill Pumps, Eastern make.—For the best general display of the above Pumps, together with their many points of excellence in design and workmanship, we would recommend an award.

Silver Medal.

H. H. BODWELL.—Wind Mill Pumps, California make.—Your committee believe there are points of excellence in these pumps but decline any report from the lack of information.

CAVANAUGH & FREDRICKS—"New Era" Duplex Steam Pump, Eastern make.—For general simplicity and reliability of valve motion, together with compactness compared with capacity of pumps, we would recommend an award.

Bronze Medal.

R. HEWSON.—Globe Water Wheel for Sewing Machine, California invention.

CHAS. P. MCCARTHY.—Tuerk Water Wheel for Sewing Machine, Eastern invention.

Your Committee, after careful consideration and examination of the above Sewing Machine Motors, recommend the Tuerk Wheel for the above use and an award.

Silver Medal.

S. F. TOOL Co.—Compound Turbine, Mining and Centrifugal Pumps, California make.

Of the former, the Committee being without data as to the duty performed, decline making any report on this Pump. For the Mining and Centrifugal Pumps, their construction being similar, we would recommend an award for compactness of design, workmanship and general adaptibility for the purpose designed, also as supplying a long-felt want for such a pump manufactured on this Coast.

Silver Medal.

JOSHUA HENDY MACHINE WORKS.—Wilbraham Rotary Piston Pump, Eastern make. No comparative test could be made of this Pump, yet for its simplicity and good workmanship we would recommend an award.

Bronze Medal.

H. R. ARWOOD.—Deluge Pump. For the best wine Pump, we would recommend an award.

Silver Medal.

J. M. WILES.—Combined Rotary Pump and Horse Power, California invention and make. For simplicity of construction and general utility we would recommend an award.

Silver Medal.

CLASS 3.

Mechanics' Tools and Metal Working Machinery.

JURORS.

SAMUEL DINSMORE,
R. S. MOORE,

J. G. SHEPHARD.

T. H. MACDONALD,
J. E. C. KINGSLAND,

Your Committee appointed to examine Class 3, begs leave to submit the following:

SAN FRANCISCO TOOL COMPANY.—The display made by this Company is very large and creditable. They exhibit many valuable improvements in their machines, rendering them quicker and neater in their operations, thus enabling them to do more and better work. They aim at a still higher standard and are keeping pace with the better class of Eastern manufacturers. Most of their improvements are protected by letters patent.

Best general display of Machine Tools,	<i>Gold Medal.</i>
“ Engine Lathe, California make,	<i>Silver Medal.</i>
“ Shaper, California make,	<i>Bronze Medal.</i>
“ Power Drilling Machine,	<i>Silver Medal.</i>

CALIFORNIA BELLOWS Co.—Display of Bellows, etc.—Best Hand Bellows, Cal. make. *Silver Medal.*

Best Tuyere Iron, Cal. make, *Silver Medal.*

CLOT & MEESE.—Best Shafting Coupling, Cal. make, *Diploma.*

In regard to Blowers the Committee has deemed it best to divide them into two classes, viz: “Pressure” and “Fan.” The Pressure Blowers on exhibition being of different sizes, the Committee has been unable to determine by practical and competitive test, which is best.

JOSHUA HENDY MACHINE WORKS.—Baker’s Rotary Blowers.

W. T. GARRATT.—“Fan” Blowers, Anderton patent.—These are a Californian invention and consist of a combination of side rotating fans placed in the openings, producing a stronger blast than any other “Fan” Blower now in use. We therefore recommend an award for the Best “Fan” Blower.

Silver Medal.

C. F. MARWEDEL.—Best display of Machinists Tools, *Bronze Medal.*

GEO. CUMMING & Co.—Best Portable Forge, *Silver Medal.*

CLASS 4.

Wood-working Machinery.

JURORS:

A. I. SANBORN,

W. H. SALSURY.

M. RUSSELL,

Your Committee, appointed to examine articles in this Class, after due examination, would report that among the various articles exhibited the following are worthy of especial mention.

THE PACIFIC SAW MANUFACTURING Co.—Consisting of Chas. P. Sheffield, N. W. Spaulding and Jas. Patterson, make a fine display of Saws, Knives and tools manufactured by them. It covers a wall space of 20x60 feet.

The exhibition includes nearly every Saw known to the millman and mechanic, and embraces the Circular Saw from one inch to fifty inches in diameter. Muley, Mill and Gang Saws from four feet to twelve feet long. Drag Saws for cross-cutting by power, and Cross-cut Saws. They also exhibit Cross-cut Saws made by them for falling or cutting down timber, instead of using axes as formerly. Saws of every description for carpenters, butchers, pruning trees or vines, cutting ice, iron, ivory and bone. Knives for planing machines, curriers, harness makers, etc. All are made at their factory 17 and 19 Fremont Street, in this City. This exhibit attracts the attention of every one on account of the excellence of the finish and quality of the work and designing and arranging of the goods. *Gold Medal.*

P. Mc G. CHISHOLM.—Portable Saw Mill.—Your Committee were very favorably impressed with the working of this Mill. The log is set with ease and accuracy, either by hand or power. The carriage is run by means of a steel wire rope which winds around a grooved pulley and over sheaves at each end of the track, the ends being fastened near the center of the carriage, thus allowing the carriage to run one third of its length over the end of the track. This improved method insures smooth and rapid motion of the carriage and is a great improvement over the old rack and pinion. The setting mechanism enables the sawyer to shift the cant forward if necessary, with accuracy and dispatch. The device for drawing back the uprights and set beam, rapidly and easily, before putting on a fresh log, are good. The slide and set beam with its numerous attachments for securing cants and logs of all description, work very nicely. *Silver Medal.*

H. P. GREGORY & Co.—Make a display of fine Wood Working Machinery of California manufacture, especially adapted to the wants of this Coast. This group is in motion and consists of: One 24-inch Planing and Matching Machine to surface 24 inches wide by 6 inches thick; tongue and groove or work rustic to 16 inches wide; a good and serviceable machine. One 30-inch Endless Bed Surfacing Machine to plane 12 inches thick, very heavy and convenient and capable of doing a large quantity of work. One 12-inch Hand-

Feeding Planing and Jointing Machine, well adapted for the uses for which it is intended, viz.: Planing out of wind, beveling, squaring and jointing lumber. One Shingle and Boxboard Sawing Machine; this machine is recommended for its ease of adjustment and rapidity of work; the carriage running upon wheels saves its operator's strength and insures perfect work. One 36 inch Band Sawing Machine for scroll work has features not found in any Eastern-made saw, the guide admitting of a raise of 22 inches above the table; table tilting, etc. One Combined Ripping and Cross-cutting Saw, table with removable centre for gaining and grooving.

They also display a group of Superior Imported Wood-working Machinery, from new and improved designs, as follows: One 6-Roll, Double Slide, Planing Machine. One Planing and Matching Machine, very heavy and substantial, having the patent drop attachment for the matcher heads, whereby it can be changed from Surfacers to a Surfacing and Matching Machine in two minutes' time under any circumstance. One Four Sided 10-inch Moulding Machine. This Machine is very heavy in its working parts, has improved outer bearing for main head spindle; both side heads and the under head move up and down with the bed and are adjustable in all directions. The feed rolls, upper and under, are all driven by gearing, and the feed started and stopped by belt friction direct. One Fay & Co. Tennoning Machine, new design, very heavy and easy to manipulate, the table running upon wheels upon a single guide, in a very ingenious and perfect manner, thereby enabling the operator to pass the work completely by both the main heads and coping heads, while standing in a perfectly erect position. One Six-Roll Double Drawn Sand-paper Machine, now much used by cabinet and door-makers, etc. One Self-Feeding Railway Cutting-Off Sawing Machine, with iron table and gauges, the saw being moved forward by putting the foot upon a treadle and returns automatically. One Universal Horizontal Boring Machine. One Mortising Machine; with plain bed, belt-friction reverser and angular adjustment to table. One Cabinet and Agricultural Mortising and Boring Machine; with compound table which has angular adjustments and outside reverser. One Heavy Agricultural and Car Mortising Machine, graduated chisel stroke, boring attachment, stationary bed, angular adjustment; is a powerful machine. One Wood-working Lathe.

Best general display of Wood-working Machinery, California make.

Gold Medal.

Best general display of imported Wood-working Machinery.

Silver Medal.

Best Surfacers and Matcher, in motion.

Silver Medal.

Best Shingle Machine.

Silver Medal.

Best Band Saw.

Bronze Medal.

Best Circular Saw and Table.

Bronze Medal.

Best Tennoning Machine, Sand-papering Machine and Mortiser.

Diploma.

N. W. SPAULDING.—Improved Saw Tooth.—This new invention retains all the merits of the old Spaulding Saw Tooth which has been in use 20 years,

together with all the merits hitherto claimed for the chisel bit, besides overcoming their objectionable features. It is so constructed that the cutting edge of the tooth is so far removed from the plate of the saw that the greatest wear comes on the bit holder itself, thereby protecting the plate, more particularly that part immediately back of the tooth point. This of itself is a great desideratum. The cutting bit is placed in a bit-holder and there firmly secured, and is adjusted and removed with the greatest facility.

Silver Medal.

OSBORN & ALEXANDER, make a very fine display of Foot-power Machinery.

Bronze Medal.

WM. BANKS.—One Wood-turning Lathe.—This exhibit is of California make, all iron, and a fine machine.

Silver Medal.

CLASS 5.

Printing and Miscellaneous Machinery.

J U R O R S .

CHAS. A. MURDOCK,

JOHN W. HOWARD.

JOHN M. STOCKMAN,

In the classified premium list of Class 5 awards are designated for 21 articles under the general head of "Printing and Miscellaneous Machinery." Of the enumerated exhibits but six are represented at the Fair, while we have assigned for our consideration 26 entries. The 20 unclassified articles represent a wide range, extending from a complete manufactory of mustard to a decorative design upon the wall. As we are requested to give a general description and explanation of articles examined, as well as to recommend an award, we submit the following as the result of our labors:

WM. A. BELL.—Models and Appliances.—It is impossible to enter into a detailed description of this exhibit, containing hundreds of models of all kinds of machinery for saving labor and expense to manufacturers and farmers; but the incalculable benefit arising from displays of this kind, tending as they do to bring the inventor into contact with the parties who are to use his appliances, render the exhibitor especially deserving of this mention, and the Committee recommend for this display an award.

Silver Medal.

B. F. CARMAN.—Cable Grip for Turning Curves.—The above model being in a glass case with no one in attendance to explain its manner of working, the Committee can only judge of its merits through the glass. From our standpoint we recommend a

Diploma.

D. S. CIPHER.—Machine for Making Popcorn Balls.—This exhibit illustrates the successful development of an idea suggested by a practical want. The inventor, being in the business, found the making by hand of these deliciously crisp and toothsome balls, so dear to childhood, a very slow

process. There was no uniformity in size and much irregularity in shape. The machine in operation at the Fair remedies all these difficulties, and turns out an amazing quantity of perfect spheres in a very short time, thirty a minute not being an unusual speed. It consists of two hemispherical moulds of nickel-plated metal—one fixed in a horizontal bed, the other facing it in a frame above. A bottomless cup is filled with the prepared corn and placed over the stationary mould; a sharp pressure of the foot on a connected treadle brings the upper mould down through the cup. It meets its fellow, and the ball is made.

Diploma.

J. J. COUSIN.—Candy Twisting Machine.—This is a novel and ingenious composition of gearing and hollow tube, forming a good working machine for the purpose.

Diploma.

SAN FRANCISCO CHRONICLE.—Stereotype Plates and Matrices.—This exhibit, when understood, is a very remarkable one, showing the rapid strides taken by mechanics to keep up with the demand from the public for news. There are exhibited matrices or moulds for both the weekly and daily editions of the paper. From the former five plates have been cast and from the latter nine, and they are still in so perfect a state of preservation that additional plates equally good could be cast if required. From two to three tons of molten metal are cast in these paper matrices every morning for the regular editions of the *Chronicle*. When we consider the number of plates cast from each matrix and the careful workmanship required in making them, together with the excellence attained, as shown by the plates and cuts on exhibition, we have no hesitation in recommending it for the best display.

Silver Medal.

EXAMINER PUBLISHING COMPANY.—Stereotype Plates and Matrices.—This exhibit is certainly deserving of mention as a fine display of good work. It embraces paper matrices and the cylindrical plates from which the paper is printed, together with various cuts of solid metal, and an immense roll of paper weighing 1,400 lbs., equalling ten miles in length, of the single sheet of the *Examiner*. The manner of casting the plates varies somewhat from that of the *Chronicle*, the matrix being in an upright position; but there is no perceptible difference in the result. The finished papers are not so clear and sharply printed as the *Chronicle*; but the difference is perhaps due more to the face of the type than to any inferiority in stereotyping. Inasmuch as but two casts are made from each matrix in printing the *Examiner*, a comparison cannot with justice be made with those from which more are cast. As a display, the Committee feel justified in recommending an award.

Silver Medal.

H. J. ESDOR.—Display of Sample Goods of General Manufacture.—There is in this exhibit a great variety of useful articles and machines. Many of them represent the product of different manufacturing concerns. Your Committee do not think it necessary to single out particular articles where so many good things are represented; but we are sure the exhibitor is deserving of much credit for the display he has made. We recommend

Bronze Medal.

GILLESPIE & CHILDS.—Hall Type-Writer.—This machine, exhibited here for the first time, differs materially from the Remington—the other machine on exhibition. In appearance it is entirely unlike, and its operation has no resemblance. But one hand is employed in the printing, the letters being formed by simply dotting over a space about two inches square. There is no inked ribbon, the impression being made directly from the face of the type, which is of rubber. The machine is comparatively simple in construction, very compact, weighing but seven pounds, and well finished. Its accurate adjustment is demonstrated by moving back the paper and reprinting a word, the second impression exactly covering the first. By a simple movement double spacing can be introduced, and by another the paper moves up, enabling the operator to number consecutive lines. The impression is very clear and the work turned out somewhat more uniform and cleaner in appearance than by the other machine. Type of different styles can be used, the various rubber forms being easily substituted.

Its disadvantage is its inferior speed. An operator on the Remington uses the left hand about as freely as the right, and the result is that its capacity is about double that of the Hall. On the other hand, the latter is more easily mastered, is more portable, weighing less than a sixth as much as the Remington, and is sold for less than half the price. So that each has its place and both can be commended. Where speed is required the Remington is superior; but as a convenient low-priced machine doing excellent work the Hall can be safely relied on.

Diploma.

GELETT ICE MACHINE COMPANY.—Gelett Portable Ice Machine.—The exhibit of this machine has been a very attractive one. When any piece of machinery stands motionless it attracts but little attention from the general public. Few can understand its possibilities, and only those specially interested in mechanics, or those whose business interests are connected with the special class to which the machine belongs, will take the trouble to study into it; but when it is in operation, successfully performing the work for which it is designed, interest becomes general. The freezing of ice is, to the uninitiated, a mysterious process, and the workings of the Gelett Machine have apparently been fascinating to many, who have for the first time seen ice frozen in a warm room.

The machine exhibited is a No. 1 in size, having a capacity of 70 pounds of ice in 7 hours. It is compact and light, weighing but 650 pounds, which clearly justifies its name—A Portable Ice Machine. It does not enter into competition with the large permanent plants that supply communities, but is intended for use in warm climates for the supplying of hotels or families with cold water, ice-cream or ice. Mining camps or ranches in the heated valleys or mountains of the interior, or in Arizona or Mexico, could be easily supplied with this machine at a trifling expense. But little power is required for its operation, indeed it can be worked by hand. It is very simple in construction, consisting of two upright cylinders connected by a pump. The smaller cylinder is charged with an inexpensive fluid which is used over and over, passing through the larger cylinder, where it is rapidly evaporated and return-

ing to the first cylinder to be re-condensed. The ice cylinder is divided into compartments fitted with removable sections in which the ice is made. Ice-cream may be frozen in one compartment while ice is forming in the others.

The machine is not expensive, it is efficient and economical in its operation, and is in every respect creditable to its inventor, a Californian.

Silver Medal.

JENNE MANUFACTURING Co.—Jenne's Interest Indicator.—This device is of value in saving time and labor to those requiring its use. It is simple, easily understood and managed. Correct and practical, an advance in rapid calculation, we recommend for this exhibit

Diploma.

F. O. LANDGRAVE.—Change Gate.—This gate, intended for street cars where the driver is ex-officio a money changer, is a great improvement over those now in use, and for simplicity, strength and durability commends itself at a glance. It is convenient in its workings, and enables one to give and take with equal facility.

Bronze Medal.

H. W. RICE.—Lifting Jack.—The exhibitor of this article evidently concluded that it spoke for itself, and he was doubtless correct. It is simple, and needs no labored explanation. The Jack is evidently strong and reliable. It has a broad base, a well-cut screw and excellent bearings. We deem it deserving.

Bronze Medal.

A. SCHURCH.—Dental and Mining Drills.—The models for these appliances are encased in glass and are presumably submitted as samples of workmanship. As such, they are admirable and in our judgment deserving an award.

Diploma.

ROYAL MUSTARD, OIL AND DRUG WORKS.—Display of machinery in operation.—We consider this exhibit highly meritorious and deserving of special mention. It must have entailed a heavy expense, the ponderous hydraulic press having been brought quite a distance and placed in position with evident difficulty. The operation of the press has attracted much attention, its pressure of 12,000 pounds to the square inch being a marked exponent of silent force. The various machines and operations shown here, as applied to the manufacture of this class of goods, are the result of careful experience and great enterprise on the part of the managers of these works. It is a California industry of great promise, and has grown from small beginnings to its present large capacity. Mustard and Oils of excellent qualities are produced in large quantities, and find a ready market.

In view of the importance of the enterprise, and the completeness of the exhibit, your Committee recommend the highest award.

Gold Medal.

HENRY M. TAAFFE.—Automatic Safety Guard, Self-Releasing Grip and Automatic Brakes Combined.—The large working model of this invention is a remarkable exhibit, not mainly because the conception of a boy of 16 years of age, but from its comprehensive treatment of the end in view—the prevention of accidents on cable roads. It consists of a sensitive bar constructed of rubber, and extending across the road-bed, attached to an inclined wire

guard which is fastened in front of the dummy car. The sensitiveness of the bar is under the control of the grip-man and can be regulated so as to operate with a pressure of from five to twenty-five pounds. It is claimed that the instant the sensitive bar comes in contact with an obstruction on the track, such as a person's foot or a child's body, the guard drops on a level with the road-bed, and being constructed of spring wire, on a sharp incline, the obstruction will only press it the more firmly to the pavement. It can not, it is claimed, mount over the object, and will effectually prevent its being drawn under the dummy. At the instant of contact the ratchet which holds back the grip lever is thrown off and the cable is released from the grip. The same movement applies a wheel-lock to both dummy and car, and sets in motion the rail-brakes, bringing the train to a stand-still almost instantly. These various automatic actions make it as effective on a down grade or on an up grade as on a level road. The working was demonstrated on the model by elevating the track to a sharp grade and starting the cable in motion with car attached. A pamphlet similar to this Report was placed on the track half way down the incline. When it was struck by the rubber bar the mechanism at once released the grip and applied the brakes, stopping the car almost instantly. The cable continued to move freely through the loosened grip while the car was held firmly to the track by the various brakes. The grip used in the model is a separate patent and is claimed to be superior to any now in use, especially in occasioning less wear or stranding of cables, or wearing away of jaws or dies of the grip. It is apparently effective and its method of taking the rope less likely to occasion strain or wear.

We consider the youthful inventor deserving of all possible encouragement.

Silver Medal.

J. M. THOMS.—Lawson Cash Railway.—This entertaining exhibit scarcely requires notice. Its obvious advantages are bringing it so rapidly into use that many have seen it, and seeing it at all one cannot leave it till he has watched it long and learned all of which he is capable. It works so smoothly and exhibits such apparent intelligence on the part of the rolling balls, each one of which knows its home, and reaches it through such circuitous paths, that one is at first lost to its use in admiring its ingenuity. The ease and accuracy with which the switches work is a very noticeable feature in the system. The rapidity and noiselessness with which communication is maintained between the salesman and the cashier make it a very desirable adjunct to any retail store, large or small. It is claimed that each station is equivalent to four cash boys, and, thorough gradation in the size of the balls, the system is capable of indefinite extension, so far as the number of stations is concerned.

Silver Medal.

E. W. TIFFT.—Decorative Designs for Business Houses.—One of the most conspicuous and attractive wall exhibits is the very striking arrangement of saws on the west side of the building. It is not merely curious; it is artistic. The ingenuity, skill and taste with which the various figures are formed from articles of such unsuggestive beauty as saws are certainly remarkable. The grouping is harmonious and pleasing, and from the saw dado at the base to the saw eagle at the top is worthy of study.

Bronze Medal.

WALES MANUFACTURING Co.—Car-Fare Box and Change Gate.—This car-fare box has, in addition to the well-known features common to other boxes, an improvement which consists principally of a separate chamber above the lower fare chamber, into which the fare is first placed, being open to the inspection of the driver before passing into the fare box. It will be seen that the driver can detect mistakes and settle disputes in time, the whole being under his immediate control. In connection with the fare box the Company exhibits a neat device for a change gate, having a receptacle on the inside and also one on the outside of the car door—the outside one covered by a small door which protects its contents from rain. It is altogether a convenient and valuable invention. *Diploma.*

C. S. WESTCOTT.—Model of Sash Steadier.—This device is one of those little inventions which sometimes come into extensive use. Any one who has been annoyed by rattling of windows will do well to acquaint himself with this invention. It is simple, cheap and has merit. *Diploma.*

WINDMILLS.—There have been three different styles and make of mills submitted for our consideration, none of them in operation. Your Committee have, however, examined them thoroughly, and believe they have been able to arrive at the salient points of each.

H. H. BODWELL.—Excelsior Self-Regulating Windmill.—This is a Californian invention and of California manufacture. It commends itself for simplicity, direct action, little friction; has a new self-regulating device which is positive in action—all important and necessary points in a windmill. *Silver Medal.*

P. P. MAST & Co.—Turbine Windmill.—In this mill is applied the well-known form Turbine-shaped fan. It is a strong, well-made machine, principally of iron, and is altogether a good windmill. *Bronze Medal.*

HAWLEY BROS. HARDWARE Co.—Perkins' Patent Windmill.—This mill has the rosette wheel presenting a large surface to the wind; built of wood with working part of iron, and is a simple, durable machine. It is also self-regulating, and has a wide reputation for excellence. *Bronze Medal.*

G. C. WICKSON & Co.—Remington Type-Writer.—This standard machine makes a good exhibit, and apparently maintains the popularity it gained last year. It is necessarily a complicated machine, but is thoroughly well made and apparently durable. It does rapid work, the rate of speed depending on the skill of the operator. It is represented that eighty words per minute can be written by an expert. Our test of speed with those in attendance showed that sixty words was the maximum, but that correct and satisfactory work cannot be done at that rate. Apparently, forty words are as many as can be relied on with ordinary mercantile work, unless the operator is exceptionally skillful. One marked advantage of the Remington is that by it several copies can be printed at the same time. The Remington uses metal type and an inked ribbon. The key-board is large and conveniently arranged, permitting the free use of both hands by the operator. For rapid work and general capacity it seems to stand unrivalled. *Diploma.*

G. C. WICKSON & Co.—Pneumatic Letter Copying Press.—We consider the introduction of this machine as tending to revolutionize letter copying. It

displaces the heavy, ungainly screw and iron press, requires no exertion in working, does not require to be screwed to a stand or table, and is not so expensive. Its power is almost unlimited, and always adequate to any demand for doing the best of work. The press is certainly deserving special notice.

Diploma.

CLASS 6.

Mining Machinery and Appliances.

JURORS:

G. L. PIERCE,
MARTIN WHITE,

W. P. BOSS,
WILLIS G. DODD,

CHAS. G. YALE.

Your Committee to award premiums to exhibitors in Class 6, Division 1, Mining Machinery and Appliances, after making a careful examination of the exhibits, beg leave to submit our final report:

In the premium list we find there is an award for the best general display of mining machinery. Your Committee regret to report that they do not consider that there was any such general display as the Board of Managers anticipated, when and for which they offered the gold medal; a rock breaker and a concentrator does not, in the opinion of your Committee, constitute a general display, consequently we prefer to leave this award in the hands and to the disposal of your Honorable Body.

STONE BREAKERS AND ORE CRUSHERS, IN OPERATION.—There was but one exhibit of this class of machinery, which was by L. Radovich, who exhibited two rock breakers, one of the ordinary milling size and one for prospectors and assayers, the latter to be run by hand or power. Mr. Radovich claims for these breakers that they are adjustable in all their working parts; but your Committee hold that this departure in their construction (except perhaps in the small size) is a step in the wrong direction, particularly the method of adjusting the stationary die by set-screws. For your Committee are well aware that, in practice, foreign substances, as the points of drills and other tools, will inadvertently find their way into the machine and cannot be crushed; but the whole force of the crushing power will be concentrated on the points of the set-screws, which must yield, either stripping or jamming the threads to such a degree as to make it next to impossible to remove them, to say nothing of the delay and trouble in making repairs. Some might hold that this weak point would prevent the breaking of more important and expensive parts; but a good rock breaker should be so constructed that the belt would fail to drive before any damage could result to the machine. But as Mr. Radovich was the only one to exhibit this class of machinery, your Committee were unanimous in recommending that he be awarded a premium.

Silver Medal.

Mr. Radovich also exhibited a wet concentrator, but failed to put it in operation while we were present and as your Committee could form no definite opinion as to its merits by seeing it run dry, we therefore passed it, without making any recommendation. * *Silver Medal.*

* By the Managers.

ROCK DRILL, IN OPERATION.—E. A. Rix & Co. exhibited what your Committee consider a fine specimen of a drill of their own invention, named the Pacific Rock Drill. Their improvements consist in a long valve reaching the entire length of the cylinder, in place of the short one heretofore used. The advantage gained is, that when the short valve is used it is located about the center of the cylinder, and long passages conduct the air or steam to either end, and becomes a part of the clearance; and when the exhaust takes place the contents of these passages are exhausted out with that of the cylinder without rendering any beneficial result. But this is prevented by the use of the long valve, as used by Messrs. Rix & Co., by reducing the clearance to a minimum; consequently economizing the amount of air or steam used. In the present case, as in the majority of mining operations, compressed air was used in place of steam. This same feature has for a long time been recognized as a great improvement in the steam engine by engineers.

Another improvement consists in controlling the action of the valve, that when it is required to drill against gravity, more or less lead can be given to the valve so as to use most of the compressed air on the up-stroke and less on the downward, utilizing the weight of the moving parts to perform a part of the work. This is accomplished simply by moving a small collar on the valve spindle. The drill was put in operation, drilling into a block of cast iron with an air pressure of 75 pounds per inch, and worked very satisfactorily, and we were unanimous in recommending a premium. *Silver Medal.*

Messrs. E. A. Rix & Co. had also on exhibition a fine specimen of the National Duplex Air Compressor in operation, for which your Committee would recommend an award. *Silver Medal.*

QUARTZ MILLS IN OPERATION.—This class of machinery was very poorly represented. Considering the amount of quartz machinery built in this city, it is to be regretted that a better exhibit could not be had. It was vastly inferior to that of any previous year. There were but two mills on exhibition, one known as the Planet, consisting of eight and ten 450 lb. stamps in one battery, and one known as the Triumph Ore Mill, consisting of a number of cast steel conical rollers running in a grooved circular die. The first was exhibited by A. E. Redstone & Co., the latter by Mr. F. A. Hill. Mr. Hill's machine has been constantly in operation, afternoon and evening, since the opening of the fair, grinding ore and showing to those interested the merits and demerits of his machine, while the Planet has only been run by fits and starts, scarcely lasting over one minute at a time. With the exception of about twenty minutes, it was run at the request of the Committee. Your Committee do not consider that either of these mills are to be found in the front ranks or even in the line of improvements in quartz machinery. But as Mr. Hill has made

the most thorough exhibit of his machine, allowing the public to see exactly what it would do, and thereby proving its superiority over its competitor, we would recommend that he be awarded a premium. *Silver Medal.*

ORE FEEDERS.—The Challenge Ore Feeder, exhibited by the Joshua Hendy Machine Works, was the only one on exhibition; but the reputation of this feeder is so well established on this coast and elsewhere, that anything your Committee might add would be superfluous. We can simply say that it is a first-class machine, having heretofore many competitors, all of whom have disappeared, leaving the Challenge monarch of the field; and we would recommend that it receive an award. *Bronze Medal.*

This Company also exhibited an improved Hydraulic Nozzle for hydraulic mining. The improvement consists of a steering tiller, by which the stream can be directed against the bank. We did not see it in operation, therefore we cannot say precisely what it will do under pressure; but we see no reason why its operation would not be satisfactory, and therefore we would recommend an award. *Bronze Medal.*

VERTICAL MINING PUMP.—Messrs. Goss & Dow exhibited a very neat and convenient sinking pump, to be run by steam or compressed air; if, by the former, the exhaust is connected with the suction pipe of the pump, thereby condensing and preventing the escape of steam into the shaft. The steam end of this pump is provided with the Dow's patent valve gear, which only requires to be seen to be appreciated. The method of handling the pump in the shaft appears to be both simple and effective, and the workmanship was good, and is well worthy the award. *Silver Medal.*

MR. JOHN MAILER exhibited several liners for furnace doors, perforated with small holes, for the purpose of allowing the free circulation of cold air into the furnace above the grate, seeking to accomplish two objects; first, to prevent the doors from becoming red hot and consequently loss of heat by radiation. This, no doubt, it will accomplish. Second, to supply fresh oxygen to the incandescent coal on the grate, to secure a more perfect combustion. The idea is old; nor does this extra amount of air always accomplish the desired result, but often proves detrimental; but when all the conditions are favorable (which seldom happens) no doubt something may be gained. We would, however, recommend that he receive an award. *See Class 1, page 60.*

E. G. DENNISTON exhibited an amalgamating plate of copper, silver plated, for the purpose of collecting gold. It is a Californian industry, and is worthy an award. *Silver Medal.*

CLASS 7.

Laundry Machinery.

J U R O R S :

CHAS. R. STEIGER,

J. F. SNOW,

P. J. O'CONNOR.

E. W. MELVIN.—New Becker Washing Machine.—The principles exemplified in the construction of this machine are such as to commend it to the attention of every careful and economical housewife. Its action is simple and effective, being capable of being worked by the easiest motion. It makes the garment under its moving surface the medium of its own cleansing, the motion being similar to the action of hands engaged in such an operation. Its simplicity and strength entitle it to the first premium. *Bronze Medal.*

L. N. LACKEY.—This machine is an ingenious adaptation of the Vacuum and Beetle combined. It is simple in construction, and from its action on the goods to be washed would be both effective and thorough.

The several other machines exhibited, while they evince considerable ingenuity and care in their construction, do not present any new features for our consideration.

WRINGERS.—All the goods of this class are of excellent workmanship and material. However, there is not any new principle shown in any of these under consideration. All are in our judgment equally excellent.

CLASS 8.

Fire Apparatus and Appliances.

J U R O R S :

P. J. O'CONNOR.

JOHN F. SNOW,

CHAS. R. STEIGER.

FIRE ESCAPES.—Three have been submitted for our examination. They are at once ingenious and effective. That presented by Mr. M. Schooll is certainly the simplest, both in material and mode of use: a long cord sufficient to hold the weight of an ordinary person, a strap and hook to pass round the waist and a metal plate, perforated, through which the rope is passed and held by the person using. It is under perfect control; any person can use it; is portable in every sense. We think it is entitled to the first premium.

Diploma.

O. HANSEN presents a permanent fire escape for attachment to buildings. It would seem to be ingenious and effective.

Diploma.

CHAS. P. SHORE.—A Moveable Escape for Fire Department Use.—The principle is an elastic cushion for use for people whose means of exit are cut off unless by jumping from heights. It seems an ingenious contrivance for such a purpose, though we doubt its practical value. *Diploma.*

HOSE COUPLINGS.—E. Nunan presents an ingenious and effective mode of coupling the ends of pipes under a heavy pressure of water. A series of moveable hooks clasping a ring are held in position by an eccentric ring. The whole operation of coupling is almost instantaneous, and is a vast improvement on the screw coupling in every particular. We award a first or special premium of the highest class. *Silver Medal.*

H. H. GROSS.—Harden Hand-Grenade.—This is a portable fire extinguisher in the shape of a glass hand-grenade partly filled with a substance which, when the glass is broken and it comes in contact with heat, produces a non-combustible gas. It is at once a valuable and effective adjunct to every system of fire protection, and should be in handy position where danger is to be apprehended from the rapid combustion of inflammable material. We recommend a special premium. *Diploma.*

CLASS 9.

Marine.

JURORS:

JOHN H. FREEMAN,

ARCHIE HARLOE,

CHARLES G. YALE.

The exhibits in this class were few, and there was no competition. There were two ship-models (rigged), both made by G. T. Peters. The small model was made entirely by hand, without the use of a lathe, and the spars and fittings were of ivory. The large model is one of the ship "Excelsior." It is a good piece of work, the sails particularly, which are made of wood, showing skill and patience. The whole model is "ship-shape" and well made. For this large model we recommend a *Bronze Medal.*

The Racing Barge exhibited by A. Rogers is 36 feet long and 40 inches wide. It is made of sugar-pine with black walnut and Spanish cedar fittings. The work on this boat is exceptionally good, and there are several new features. The bridge frame, for the sliding seats, gives great stiffness to the whole boat without increasing the weight too much. The laps are well made and finished. The planks bear full on the timbers, admitting of their being fastened to the frames in the middle. The model is a good one and the workmanship excellent. For this exhibit we recommend a premium.

[No award given, as the barge was removed two weeks before close of Fair.]

CLASS 10.

Sewing Machines, etc.

JURORS:

JAMES W. BURNHAM.

MRS. P. J. O'CONNOR.

After a careful and critical examination of the machines submitted to our inspection, we respectfully submit the following as meriting awards.

JOHN H. MOONEY.—Bag Sewing Machine. *Silver Medal.*

CALIFORNIA SILK CULTURE AND DEVELOPMENT Co.—Silk Reeling Machine. *Silver Medal.*

KRAKER & ISRAEL.—Embroidery Machine.—We are pleased with the work and recommend *Favorable Mention.*

SAMUEL HILL ESTATE.—Sewing Machines.

For Best Family Sewing Machine, *Silver Medal.*

Best Manufacturing Machines. *Silver Medal.*

Best Button-hole Machine. *Silver Medal.*

DUKEMAN & AUSTIN.—Shoemakers' Sewing Needle. *Bronze Medal.*

CLASS 11.

Agricultural Machinery.

JURORS:

AMOS ADAMS,
D. S. DORN,

J. C. WHIPPLE,
J. L. BEARD.

Your Committee would most respectfully report as follows :—

HAWLEY BROS. HARDWARE Co.—Agricultural Implements and Machinery.—

For best general display of Agricultural Machinery, *Gold Medal.*

For best Reaper and Mower with Self Rake "Adriance," *Silver Medal.*

For best Thresher and Separator "Gold Medal," *Silver Medal.*

For best Corn Planter "Keystone," *Diploma.*

For best Corn Sheller "Farmer's Friend," *Bronze Medal.*

BAKER & HAMILTON.—Agricultural Implements and Machinery.

For best general display of Agricultural Implements, *Silver Medal.*

For best Lawn Mower "Easy," *Diploma.*

For best Plow for general use, "Moline," *Diploma.*

For best Power Churn, "The Boss," *Bronze Medal.*

For best Harrow, Pacific Coast Manufacture, *Bronze Medal.*

For best Barley Crusher.	<i>Silver Medal.</i>
For best Header, "Benicia,"	<i>Bronze Medal.</i>
For Benicia Mower,	<i>Favorable Mention.</i>
JUDSON MANUFACTURING Co.—"Victor Mower,"	<i>Diploma.</i>
GEORGE BULL & Co.—Agricultural Machinery and Implements.	
For Best Broadcast Seeder, "Lansing."	<i>Diploma.</i>
For Best Sulky Plow, "J. Case."	<i>Diploma.</i>
For Best Hand Corn Planter.	<i>Diploma.</i>
For Best Fanning Mill.	<i>Diploma.</i>
P. P. MAST & Co.—Agricultural Implements and Machinery.	
For Best Walking Cultivator, "Buckeye."	<i>Diploma.</i>
For Best Riding Cultivator, "Buckeye."	<i>Bronze Medal.</i>
For Best Sulky Hay Rake, "Buckeye."	<i>Bronze Medal.</i>
For Best Seed Drill, "Buckeye Shoe."	<i>Diploma.</i>
For Best Wine or Cider Press, with Crusher combined.	<i>Diploma.</i>
H. W. RICE.—Portable Hay Press.	<i>Silver Medal.</i>
Best Potato Digger.	<i>Silver Medal.</i>
F. A. HILL.—Best Gang Plow, of Pacific Coast manufacture, "Hill's New Model."	<i>Silver Medal.</i>
IRA P. KILGORE.—Best Side-hill Plow	<i>Diploma.</i>
G. G. WICKSON & Co.—Agricultural and Dairy Implements:	
For best Hay and Straw Cutter, "Boss Cutter."	<i>Bronze Medal.</i>
For best Hand Churn, "Stoddard."	<i>Diploma.</i>
For Centrifugal Cream Separator, in operation.	<i>Silver Medal.</i>
For Display of Dairy Implements.	<i>Diploma.</i>
For Vineyard or Orchard Whiffletree, and Matchless Walking Cultivator.	<i>Favorable Mention.</i>
AUGUST DAVID.—Grape Stemmer and Crusher.	<i>Diploma.</i>
A. C. SWINGLE.—Hand or Power Pea Sheller.	<i>Diploma.</i>
F. MOLINI.—Hand Pea Sheller.	<i>Diploma.</i>
J. A. BILZ.—Vineyard Plow.	<i>Diploma.</i>
Whiffletree for Vineyard or Orchard	<i>Diploma.</i>
IRA BISHOP.—Sack Elevator.	<i>Silver Medal.</i>
WM. KNAPP.—Side-hill Vineyard Plow.	<i>Diploma.</i>
HENRY TYACK.—Wine Press.	<i>Silver Medal.</i>
D. C. KINGSBURY.—Self-acting Gate Model.	<i>Diploma.</i>

[The Management must again express regret that a more extended notice of articles was not given by this Committee, as the display was most meritorious and of great importance to this Coast. Several exhibits were new inventions, of California manufacture, and specially adapted for the wants of our people. A detailed description of the machines and implements would have been both interesting and valuable.]

CLASS 12.

Manufactured Products of Iron, Steel and Lead.

J U R O R S :

W. H. BIRCH.

THORNTON THOMPSON.

We have made a number of examinations of articles in this class and would recommend:

CALIFORNIA IRON AND STEEL Co. made an excellent display of Pig Iron, Charcoal Blooms, Bar Iron and Steel. *Gold Medal.*

Also Malleable Iron and Steel Castings. *Bronze Medal.*

JUDSON MANUFACTURING Co.—A splendid exhibit of Cast Hardware, Files, Horse Shoe Nails, Tacks, Cut Nails, etc., of California make. *Gold Medal.*

CALIFORNIA WIRE WORKS Co.—Fine display of Wire Rope, all sizes. *Gold Medal.*

For a complete and attractive exhibit of Wire Goods, all styles and kinds. *Silver Medal.*

BURTON & HOYT.—Complete display of Bolts, Nuts, Screws, etc. *Silver Medal.*

CALVIN NUTTING & SON.—Iron Wheelbarrows. *Bronze Medal.*

A. E. KITTREDGE.—Ornamental Iron Work, Fencing and Cresting. *Bronze Medal.*

RISDON IRON AND LOCOMOTIVE WORKS.—Display of Macbeth's Wrought Iron Rim Pulleys. *Bronze Medal.*

CLOTT & MEESE.—Wrought Iron Rim Pulleys "The Medart," *Bronze Medal.*

These manufactures of Wrought Rim Pulleys have not been in use long enough to judge which is the better. For light work or where it is desirable to use large light pulleys to save weight and transportation they are well adapted.

LOCK SPRING MATTRESS Co.—Best Mattress Spring. *Bronze Medal.*

DAVID KERR made a fine exhibit of Truck Axles, which are the best your Committee has ever had the pleasure of seeing, being self-lubricating, fine finish and nicely proportioned, but being attached to a vehicle are not properly in our class. (See Class 21.)

GEO. ASPDEN.—Iron Wheelbarrow.

MRS. M. J. HOLT.—Wire Meat Safe.

Both the above exhibits we think well of, but they were for exhibition only, and therefore no award is recommended.

We think the Exhibition is very creditable to our State and city, and congratulate the Managers upon its financial success.

CLASS 13.

Cooking, Heating and Ventilating.

J U R O R S :

P. J. O'CONNOR.

J. M. PIERCE.

CURTIS & LUNDY'S VAPOR STOVES.—Vapor Produced by the Evaporation of Gasoline.—The system adopted to vaporize the material is at once ingenious and effective. We have had but a limited opportunity for personal examination of the stoves under fire, owing to the objection of the insurance companies. Whether these objections are sound or not your Committee, from the light before them, are unable to decide. In the Eastern States they are largely used under permits issued by many of the largest insurance companies in the country, and the rates of loss is very small. Gasoline is a cleanly flame, and is an admirable fuel for stove purposes. The burners used are such as to effectually prevent the passage or return of flame. With reasonable precautions we think no danger could be apprehended any more than with coal oil. The stoves are neat samples of good workmanship and ingenious in design. They are represented as being of California manufacture. *Silver Medal.*

C. D. HARVEY.—Hot Water Apparatus.—A neat display of Heaters and Coils. *Silver Medal.*

C. A. CUSHING.—Gas Stoves and Water Heaters.—The display is limited in extent and presents a neat example of clean workmanship and an ingenious combination of heating surface for water backs or coils. *Bronze Medal.*

UNITED GAS IMPROVEMENT Co.—The display is varied and the several articles exhibited are admirable samples of perfect workmanship and neat design. The cooking stoves may be truly called the housewife's friend. They are at once patterns of convenience, neatness and economy. In a moral sense, they must be a valuable adjunct to the cause of Christianity. Only fancy the amount of forcible language on the part of the man or the silent suffering on the part of the woman that is saved by this apparatus. Wet wood, hard, bad coal, or smoky chimneys, are no longer to be dreaded. A placid temper at the meal time is one of the greatest blessings, thereby ensuring not only present enjoyment, but the sure precursor of a long life. *Silver Medal.*

WIESTER & Co.—Coal Oil Stoves (Howe Patent.)—This stove is of California manufacture, neatly put together, and heated by lamps at each end. The system of lamps is, as termed, the dry cooler, and consists of perforated sides and top, producing a current of cool air between the oil and flame. The system is a correct one, founded on the Davy Safety Lamp. We would suggest a premium to this form of stove. *Diploma.*

JOHN F. MYERS & Co.—Adams & Westlake Monarch Oil and Gas Stoves.—The lamps are on the same principle as the Howe stove, but it is claimed they are more economical, using only four burners instead of six. This part of the

question is debatable. Four thick wicks may burn more fluid than six thin ones under the same circumstances. Oil, like every other liquid, will pass more rapidly through a large conduit than a small one. These stoves are at once models of neat workmanship and convenient in form. They are easily altered from coal oil to gas stoves or vapor, and have the usual appliances for cooking purposes. For this form of stove we award *Bronze Medal.*

ALBRECHT & WATERS present a beautiful specimen of California-manufacture cooking stove, for coal. Its furnace is large and the oven is a convenient innovation on the old patterns. We think it entitled to the first premium for simplicity, convenience and extent of oven surface.

Silver Medal.

S. B. LAUGHLIN.—Royal Baking Pans.—Are an ingenious arrangement for the utilization of heat and the exposure of extra surface of the loaves to the action of heat, which insures a thorough baking of the flour. We desire to award a premium for the ingenuity displayed.

Diploma.

J. D. BODWELL.—Liquid Fuel and its Application to Ranges and Stoves.—This fuel is a combination of water and crude petroleum, the water being vaporized and turned into a combustible gas of great heat. It is conducted in a fluid form from a reservoir placed at any convenient distance from the grate. By means of a small pipe or globe, or any other form of stop-cock, it is under absolute control, the flame being so regulated as to extend ten feet or six inches, as may be required. It can be applied to any stove or furnace. We deem this one of the most important exhibits in the Fair. Its economy, cleanliness and power entitle it, in our judgment, to a special first-class premium.

Silver Medal.

L. H. MOISE.—Patent Fruit Steamer for Preserving Fruit in Glass.—Invention at once economical, effective and simple. By its means the ordinary wash boiler is made to do the duty of the more expensive apparatus heretofore employed in the process of fruit preserving. The result, as found by your Committee, is in every respect at once satisfactory and successful. We therefore desire the award of the highest premium to its class.

Diploma.

TAYLOR GOODRICH.—The display of this firm, of stoves and ranges, is remarkable for the superiority of the workmanship of the several articles on exhibition. The Magee Range is an admirable specimen of convenience and economy of space. We would award to this firm a premium for the best display on such goods.

Silver Medal.

CHAS. BROWN & SON.—Kitchen Utensils, etc.—The display of articles by this firm are such as to commend themselves to every housekeeper. For convenience of form and excellence of workmanship, the several cooking utensils are especially good.

Bronze Medal.

CLASS 14.

General Hardware, Guns, etc.

JURORS:

C. G. TOLAND, M. D.,

E. O. HUNT.

GENTLEMEN: We the undersigned, after careful examination of all the exhibits in class named, respectfully submit the following recommendations for awards:

OSBORN & ALEXANDER.—For very good display of Hardware and Mechanics' Tools. *Silver Medal.*

MRS. F. M. TRUWORTHY.—For best display of Stencil Plates. *Diploma.*

J. G. BENN.—For very fine display of Artificial Flies, of extra quality, design and workmanship (His own). *Silver Medal.*

L. H. MOISE.—Changeable Rubber Type, Type Box and Self-inking Stamp combined. Invented, patented and manufactured by him. As it is an exceedingly fine invention and far superior to the ordinary rubber stamp we recommend the highest premium usually awarded in that class. *Diploma.*

LIDDLE & KAEDING.—For best display of Fire Arms, containing W. & C. Scott & Sons, Wm. Premer "Greener" Hammerless, Webly, Tipping & Lawden, Parker, Colt and other Shot Guns, and all the leading American and English Rifles and Pistols. *Silver Medal.*

Also for best display of Fire Arms, California make, containing Breech and Muzzle-loading Rifles and a Whale Gun, the latter being wholly manufactured in this City by the above named firm. *Silver Medal.*

The same firm, for best display of Fishing Tackle, comprising Leonard and other split Bamboo Rods, Leonard, Orvis and Kentucky Reels, Gold Medal Silk Lines, Orvis and English Flies, etc. *Bronze Medal.*

E. T. ALLEN.—Very fine general display of Guns and Fishing Tackle. *Silver Medal.*

CLASS 15.

Fire and Burglar Proof Safes and Locks.

JURORS:

C. H. LEAVITT,

EMILE BOESCH,

A. DOBLE.

W. B. WILSHIRE & Co.—General display of Safes.

For best Fire Proof Safes,

Silver Medal.

For best Burglar Proof Safe,

Silver Medal.

HALL'S SAFE AND LOCK Co.—Display of Safes.

For best general display of Fire and Burglar Proof Safes, *Gold Medal.*

For best Burglar Proof Lock, not attached, *Silver Medal.*

PERIAM & SMITH.—Assortment of Locks, California make.

We were very favorably impressed with the Burglar Proof Locks of Messrs. Periam & Smith, and recommend a special award. *Silver Medal.*

CLASS 16.

Cutlery and Edge Tools.

JURORS:

JNO. J. HALEY,

C. E. ELLIOT,

THOMAS BIGLEY.

GENTLEMEN: We your Committee as jurors to pass upon Class No. 16, embracing Cutlery, Edge Tools, etc., most respectfully report:

WILL & FINCK.—Best display of general Cutlery, *Gold Medal.*

Best Carving set, California make, *Silver Medal.*

PACIFIC SAW MANUFACTURING Co.—Best Planing and Curriers' Knives, California make, *Silver Medal.*

FRANK A. DAVIS.—Best Cutting Dies, etc., California make, *Silver Medal.*

CLASS 17.

Grates, Mantels, Marbles, Artificial Stone, Earthenware, Glassware, etc.

JURORS:

R. G. MAYO,

CHAS. E. HOPPS,

P. J. O'CONNOR.

W. W. MONTAGUE & Co.—General display of Mantels, Tiles, Fire Grates, Ornaments and Art Work.

For best general display of Mantels, *Silver Medal.*

For best Marbleized Iron Mantels, *Silver Medal.*

For best Fire Grates, *Bronze Medal.*

TAYLOR GOODRICH.—Bronze Mantels and Art Castings, *Silver Medal.*

CHARLES SUTTON.—Artificial Stone, stamped, *Diploma.*

P. H. JACKSON & Co.—Glass Pavement,	<i>Diploma.</i>
B. NATHAN & Co.—Engraved Glassware,	<i>Diploma.</i>
S. P. KIMBALL & Co.—California Pozzulani Cement.	<i>Silver Medal.</i>
GRANOLITHIC PAVING Co.—Artificial Stone Steps and Paving.	<i>Silver Medal.</i>
SAN FRANCISCO AND PACIFIC GLASS WORKS.—Home manufactured Glassware.—For best general display,	<i>Gold Medal.</i>
For Druggists' Glassware,	<i>Silver Medal.</i>
For Self-Sealing Fruit Jars,	<i>Bronze Medal.</i>
For Engraved California Glassware,	<i>Diploma.</i>
INTERNATIONAL TILE Co.—Samples of Tiles,	<i>Diploma.</i>
CALIFORNIA ARTIFICIAL STONE PAVING Co.—Artificial Stone Pavement.	<i>Silver Medal.</i>
JEREMIAH BROWELL.—Patent Chimneys, Terra Cotta Chimney Tops and Flue Linings,	<i>Silver Medal.</i>

[The value and importance of most of the above exhibits merits a more extended report than has been given by the Committee, as they represent some of the most valuable industries in this city.]

CLASS 18.

Brass Work, Gas and Lamp Fixtures, Plumbers' Goods, etc.

JURORS:

JOHN B. OWENS,

HENRY P. CHRISTIE,

JOHN WRIGHT.

WEED & KINGWELL.—Brass Goods, etc.—This display is highly creditable to the firm, and we see no necessity of importing brass goods when such superior work is made here. In our opinion they are entitled to the highest award.

For best display and assortment of Brass Work,	<i>Gold Medal.</i>
For best display of Plumbers' Goods,	<i>Bronze Medal.</i>
For best Steam, Water and Gas Fittings,	<i>Bronze Medal.</i>
For display of Bells,	<i>Silver Medal.</i>
For Brass and Composition Castings,	<i>Silver Medal.</i>

GRIMM & NOLAN.—Gasfittings and Brasswork.—This exhibit gives satisfactory evidence that what they undertake to do, in their line, will be done.

For Gas Fixtures,	<i>Silver Medal.</i>
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W. J. DERICKSON.—Automatic Lamp Bracket,	<i>Diploma.</i>
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FRED. JANTZEN.—Coal Oil Lamps.—From the crowd that surrounded Mr. Jantzen's stand we were led to believe that something unusual was going on. We found that the New Chicago Lamp exhibited by him was not only giving a bright and pleasing light, but a parlor stand lamp was being used to bake biscuit, make coffee, etc., in fact, doing the work of a range. The principle of non-explosiveness seemed to govern the manufacturers of this lamp, and the great cry of chimney breaking is over. *Bronze Medal.*

A. S. GRAFF & Co.—Coal Oil Lamps and Diamond Burners.—A creditable display. *Silver Medal.*

M. METZGER.—Patent Gas Lighter.—A saving of matches, patience and time. *Diploma.*

D. S. BROWN & Co.—Duplex Gas Burner.—This is something new and evidently of importance to gas consumers. *Diploma.*

B. F. BUSH.—Automatic Gas Burner.—There seems to be great merit in these burners, and a great saving of gas. *Diploma.*

ALFRED THURBUR.—Automatic Lamp Bracket. *Diploma.*

EMILE BOESCH.—Locomotive Headlights, Car Lamps, Reflectors, Signal Lanterns, Copper Spun Work, Stamped Ornaments, etc.—This fine display deserves special mention and notice, and we think hard to beat anywhere.

For the general display of Reflectors and Lamps. *Gold Medal.*

For Metal Spinning. *Diploma.*

J. T. TITUS.—Patent Sewer Trap.—The great sanitary question of "what shall we do to prevent sewer-gas and miasma from pervading our dwellings?" seems to be effectually answered when we get a good "Shut-off Sewer Trap." This trap in its construction shuts off gas completely from the dwelling, and for sanitary purposes is invaluable. *Silver Medal.*

C. H. & G. W. BURR.—Slop Hoppers.—These hoppers are made in a variety of shapes and are a very useful article and appendage to every house. *Diploma.*

GEORGE C. THOMPSON.—Soda Fountains. *Diploma.*

ALBRECHT & WATERS.—Useful Articles.

For Steel-edged Dust Pan. *Diploma.*

For McMaster's Shelf-support, Box Trap and Corner Iron. *Diploma.*

C. N. JOHNSON.—Champion Stove-pipe, Shelf and Support. *Diploma.*

DUTTON & SON.—Patent Gas Key.—As far as we could judge without explanation from the exhibitor, this key is a good thing. *Diploma.*

J. S. TIBBALS.—Sewer Trap.—Having been requested, since our former report, to examine this trap, we find it to be altogether different from the Titus trap. This trap has a double shut-off; one of its peculiarities is, the gas from the sewer is conveyed by a separate pipe outside the building, the other shut off; the water cannot return when once entering the trap. We deem this trap to be of great merit and entitled to a premium. *Diploma.*

CLASS 19.

General Wood Work, Ornamental Glass, Painting, etc.

J U R O R S :

WM. B. MAY.

DAVID PERRY.

THOMAS BIGLEY.

Your Committee on Class 19 beg leave most respectfully to present the following report. It will be found more than usually extended, and we offer as an apology that it is the result of painstaking and conscientious work:

S. & G. GUMP.—Mirrors and Picture Frames, Wooden Mantels, Engravings, Bric-a-brac, Statuettes, etc.—The uniform beauty and popular approval of the exhibit of this firm can hardly be exaggerated. It was at all times an acknowledged center of attraction to lovers of the highest taste in art as applies to interior decoration, and was thronged by approving connoisseurs upon every suitable occasion. The Committee desires to emphasize its commendation of two mantels with mirrors, forming in each case a most artistic and beautiful suite—one in the Moorish style, of polished black walnut, with lofty and lustrous mirror, surmounted by a nicely carved cap or head-piece, and with mirror-backed niches at the sides for statuettes, vases or bric-a-brac. The main shelf is supported by two large Corinthian columns, one at each end, and these, as well as the keystone above the fire arch, show the delicate and skillful touch of the carver. Second only to this fine piece of work may be mentioned a very attractive mantel of polished mahogany, its general treatment being similar to that of its darker-hued Moorish companion. In this, however, the shelf is supported by four beautifully-carved columns in the Corinthian order. For these notable mantels we recommend an award of the highest class.

The Committee desires to express its unqualified approval of two magnificent mirrors, each competent to add value to a palace. The frames are of gold, all suitable points burnished, and encrusted with flowers and foliage in pale and azure gold and in silver. Also, several noble mirrors in gold with silver and pale gold ornaments, and showing the highest treatment of the gilder's art. In the examination of this work the mind recalls the poet's line: "Apples of gold in pictures of silver."

We note a varied display of onyx-capped flower stands, beautiful in their diversity of form and treatment—in gold, and in silver and gold, and in bronze—appealing for approval to every artistic taste. We advise an award to this exhibit. Also, we note with high commendation a gold frame of surprising beauty and novelty of design, enclosing the dreamy, ethereal portrait of a child. The portrait is fittingly encircled by a matchless lace-work frame of gold and silver. This frame is deserving notice by the Directors as first class.

“Bird of Wisdom.”—A pair of panels containing owls in lustrous silver. Also a very fine collection of engravings and water-color paintings in frames, Bisque Statuettes and Bric-a-brac. This exhibit is fully first-class.

For General Display,

Gold Medal.

For Onyx Pedestals,

Silver Medal.

JOHN MALLON.—Stained, Embossed, Etched, Cut and Bent Glass.—This department fairly rivaled the Music Stand and Art Gallery in its attraction of visitors, the liberal allowance of space for the exhibit being almost constantly thronged by architects and persons of cultivated tastes. Each succeeding year's exhibit of the Mechanics' Institute has shown a decided advance by Mr. Mallon in his important specialty, and a corresponding growth in public interest for his department. The success he has achieved, under the stimulus of business enterprise and correct art taste, awakens no sentiment in the heart of California lower than that of pride in the “Workman and his Work.” The Committee desires to call attention to a few examples of Mr. Mallon's unrivaled skill.

“Angel of the Resurrection.”—This is an Angelic figure, “clothed in mild radiance.” To the human race the announcement has been made, “Christ is Risen.” The trumpet through which the heavenly messenger has spoken is held lightly in the right hand, and the coiffure is joyfully upraised from the brow by the left. The angelic authority is attested by a “glory” above the head, radiating from a central flame, that declares the Divine presence. Encircling the picture is a cerulean band, with stars, that indicate the home of the Messenger. This work is well conceived and executed in a style above adverse criticism. The tone is subdued, as well befits the lofty and sacred subject.

“Grecian Model of Beauty.”—A female head of rare attractiveness, faultless in form, with flesh tints, the exact counterfeit of nature—brown hair, in natural curls, brought under law, by strings of pearls. One of them---pear, shaped, that might well be a Prince's ransom, rests at the parting of the hair above the brow. Mr. Mallon has had the good art—taste to place this fine medallion in a setting of sober tints.

“Shakspeare and Byron.”—These medallion heads need no guide or catalogue—they are unmistakable portraits; the flesh tints and shadings are marvels of perfection; the most exacting critic can find nothing but satisfaction in their examination. The setting or framework is of jewels and brilliants.

“Welcome.”—The graceful and beautiful figure of a lady in an attitude of welcome. She greets her guest with that sweet Christian salutation—“Salve!” [God save you.]

“Beethoven.”—Another example of correct portraiture. The tone is decidedly Rembrandtish; and contrasts well with works of a different character in the exhibit.

“Marguerite” and “Falconer and Dog.”—These companion pictures are beautiful examples of what may be achieved by the artistic use of jewel glass.

“Meet me Under the Elm.”—The lovers' trysting-place; a quiet nook beneath the spreading branches of an elm. “Abelard” is seated and waiting;

the time is over-past, and he catches no coming foot-fall. "*Heloise*," under the prudent guidance of her duenna, peers cautiously around the concealment of an ornamental garden vase. Pride, no less than maidenly modesty, forbids that she shall be *first* at the tryst; and then, again, what daughter of Eve but would be glad to know if her absence has in it any element of a "*rooted sorrow*?" The conception is romantic and its execution deserving of high praise.

"Maude Granger."—No praise more exalted can be given of this work than to say it is equal to the "*Grecian Beauty*" and to other ideal and portrait pieces. We note two very brilliant jewel windows, one of them having a central monogram and the companion window a palette.

"Two Smoking Roman Panels."—These contain exquisite medallions of "*interiors*," one of them two gentlemen at a game of chess, with social accompaniments, tobacco and wine; the atmosphere is fairly opalescent with the fragrant Indian weed. The second one reveals a party of three seated in social enjoyment and holding an animated and friendly discussion.

"Transom of Glass Effects."—A very brilliant disposition of opals, opalescent glass, fine cut jewels, cracked dishes, roundels, and antique glass.

The Committee considers these exhibits of stained glass to be of the very highest excellence, and recommends an award of the first class.

"Etching."—Mr. Mallon shows a beautiful piece of etching, in size 30x40 inches, allegorical of California. He tells the entire story of thirty-five years, during which an empire has been founded. We have the heavy-sailing incoming ship, "twelve months around the Horn;" the leaden-footed ox-team wearily traversing the dusty plains; Eureka and California's coat-of-arms; Fame blowing her trumpets; the feathered savage, the honest miner, fruits, flowers and cereals, and the more modern railway train thundering down the western slope of the Sierras. The conception of the allegory is good, its different features well balanced, and the execution faultless.

"Cut Glass."—Mr. Mallon shows an ability to gratify the most exacting taste in cut glass. His exhibits in this department are very numerous, covering the entire field of cut glass-possibilities.

"Bent Glass."—The samples on exhibition demonstrate intelligent and careful manipulation. For etched and bent and cut glass the Committee recommends an award of the first class.

For best display of Glass for Architectural Work.

Gold Medal.

For Cut and Embossed Glass.

Silver Medal.

THOMAS HATCH.—Collection of Fancy Woods.—The variety and beauty of Mr. Hatch's exhibit are a genuine surprise to the Committee. Under his guidance nature sets art at defiance. We notice in light-colored woods some exquisite samples of California laurel, Oregon maple (one of these last of special brilliance, recalling mackerel skies) the delicate satin-wood and holly, with Hungarian and native ash, oak and linden. In darker woods, some notable samples of redwood—one of them a magnificent specimen—the center a burl with dark radiating lines flecked with clouds of light; also a fine sam-

ple of bird's-eye redwood, tulip and ebony, and the famed dark blood-red cocobolo, and a long list of unspeakable, vowel-orthographed woods from the uttermost parts of the earth and the islands of the sea.

We recommend a first-class award to this exhibitor. *Silver Medal.*

C. H. & G. W. BURR.—Weather Strips.—The Messrs. Burr seem to have given painstaking and intelligent care to the questions of dust and air in motion. They negative the universality of the claim that "the wind blows where it listeth," for when they "list" that it shall not it obeys. Their exhibit is first-class. *Diploma.*

JOHN SIMON.—Door-knob Alarm.—The Committee were unable to find the exhibitor, and could not, itself, discover any superior merit in the exhibit.

SCHUSSLER BROS.—One Picture Frame.—The passe-partout was very faulty and the Committee could find nothing novel or specially commendable in the frame itself.

J. W. E. HOWE.—Table-top in Imitation of Inlaid Wood and of Marble.—This exhibitor shows special ability in his department, and should have recognition accordingly. *Diploma.*

JOE RYHNER.—Window Shutters.—No one could be found in charge of this exhibit, and the Committee was unable to give the time necessary to study printed directions, and to set them in motion.

GEORGE P. ASTON.—Portable Conservatory.—The Committee gave the model exhibited by Mr. Aston a most careful examination, and could find no defect in his theory, and claim that it possesses large advantages over those constructed by methods in common use. We recommend an award to him. *Diploma.*

S. C. SCOVERN.—Samples of Fret-sawing.—These samples are creditable, but in no sense novel or remarkable.

C. F. SCHILLER.—Plaster Center Pieces.—This exhibit shows work of close grain and hard surface, and the arrisses are well defined. We advise an award to this exhibitor. *Bronze Medal.*

LOUIS L. HALL.—Specimens of Scroll Sawing.—The exhibit of Mr. Hall is very interesting, not only in the various samples that are the fruit of previous labor by him, but also, for the reason that he sets his saw in motion before the spectator, and shows "how it is done." His "clock" and "Steam Engine" are fine pieces of work. We recommend him as first-class. *Diploma.*

HARRIET W. R. STRONG, Oakland, Cal.—Bedford Window Attachment.—This is a most commendable device for lowering or adjusting the upper sash of a window. It is by great odds superior to any method with which the Committee is acquainted for the purpose named, combining *ease, safety and certainty*. Who has not heard the expletives of the graceless in a perspiring and vain endeavor to lower "that infernal sash?" This attachment was invented and patented by the exhibitor, and may fairly rank as "a means of grace," and the Committee recommends a first-class award to her in that view. *Diploma.*

THE BOLLER FURNITURE MANUFACTURING Co.—Square and Octagon Turned Balusters.—This work should be seen to be fully appreciated. Justice is hardly done to the subject when you say they have taught the chisel, quickened by machinery, to follow *angles* with the same exactness we have been accustomed to see it follow *circles*. They show most elaborate and diversified samples of work. The corners and arrisses are sharp, and all the lines graceful. The “impossible” is the thing that modern genius attacks and overcomes. This discovery of the Boller Company will be an important factor in the world’s building and ornamental future, and we commend it as first-class.

Bronze Medal.

FAY & Co.—Display of Polished Redwoods.—This firm exhibits several fine specimens of redwood, showing the natural grain, but treated by them in so skillful a manner as to counterfeit cherry, black walnut, rosewood, mahogany and other valuable woods. We think their enterprise should be encouraged by an award.

Silver Medal.

GEORGE F. ATKINSON.—California Wood Turned Articles, California make.—A very extensive and interesting exhibit of articles useful and ornamental. We advise an award.

Diploma.

THE ATWELL MANUFACTURING Co.—The Atwell Sash Lock and Ventilator.—A device of rare excellence, offering safety to property while ministering to health. We recommend an award.

Diploma.

A. I. SANBORN.—Stair Newels, Carved.—The Committee had great satisfaction in the close examination of Mr. Sanborn’s exhibit. It represents a class of work that should have encouragement by all lovers of the beautiful, and appeals most strongly to the fostering care of the Mechanics’ Institute. In the “rush and dash” of our modern civilization we conceive an enterprise in an hour and execute it in a day. The inevitable result is that “sham,” “plaster of paris” and “moulded sawdust and glue” in endless iteration take the place of more expensive, ever-varied and enduring carvings. It is true the cost of artistic carvings may cut a large figure in the builder’s expense account; but we have now reached a point in our general prosperity where we can afford to give little weight to this consideration; and it may not be forgotten that the disbursement is entirely in the interest of the best class of skilled labor. Mr. Sanborn exhibits two beautifully-carved oak newels from designs and drawings by the well-known architects, Messrs. Curlett and Cuthbertson, each about five feet in height, and standing fully 15 inches square at the base. They are well accented by distinct sections, commencing with the “dado,” which supports the main shaft or body upon which rests the capital. The panels on the side of the shaft are sunken, with a relieving background of black walnut, upon which is planted a symmetrical mass of rich carvings in oak, composed of foliage and flowers, laurel, lotus, thistles and other well-known favorites of the artist’s pencil and the carver’s chisel. The capitals are also rich in carvings, with encircling foliage, rosettes and elaborate terminals, above which they round into domes. The style of these newels is a free adaptation of the French Renaissance, and the results reflect credit alike

upon the architects who designed and the workmen who executed them. The selection of wood seems also to have been made with great good judgment, and it has been brought into suitable form by the method known as "quartering," in that way obtaining a similar appearance of grain at all points, and offering better security against cracks and checks by lapse of time. The carver has executed his work in a most conscientious and artistic way. We commend these newels to the careful examination and approval of all persons of cultivated tastes. The Committee is so deeply impressed with the importance of this class of work to the future of our architects, our builders and our artisans that it strongly advises giving a *special* first-class award to Mr. Sanborn.

Bronze Medal.

T. DUFFY.—Gas Logs and Rustic Ornaments.

Diploma.

C. W. WESTON.—Patent Arch Fire Kindler.

Diploma.

[The two last exhibits were not examined by the Committee].

CLASS 20.

Musical Instruments.

JURORS:

JOSEPH D. REDDING.

MRS. JOHN LEAL.

CHAS. KOHLER.

JOSEPH MAYER.—Pipe Organ, California make.

Gold Medal.

T. M. ANTISELL & Co.—Display of Pianos and Organs, Home make and Pacific Coast material.—This exhibit calls for special mention. This Company have taken great pains to present the very best possible display of their wares; and their Pianos, for volume, tone and durability, far surpass any other of California make, and compare favorably with the best of the Eastern make.

Gold Medal.

O. H. GOODWIN.—Musical Key Indicator.—This indicator is a very ingenious contrivance for the purpose of bringing before the eye the properly designated keys of every scale, major and minor. It will be very useful in teaching beginners the various scales and their signatures.

KOHLER & CHASE.—Musical Instruments and Merchandise.

For best general display.

Silver Medal.

For best brass wind instruments, "Missenharter's"

Silver Medal.

CHARLES MORRELL.—California-made Banjos.

Silver Medal.

G. F. WELLS.—Automatic Musical Instruments.

For Orchestrone

Diploma.

ZENO MAUVAIS.—Pianos, Organs and Musical Instruments.—His display of Brass Instruments was very fine and deserves special mention.

For best display of Pianos and Organs (Imported.)

Silver Medal.

ROBERT FAY & Co.—California-made Pianos.—The finish of these Pianos is to be commended, and we recommend an award for general display.

Bronze Medal.

CLASS 21.

Vehicles and their Attachments.

JURORS:

M. W. ALLEN,
C. B. GOULD,

JAMES COBBLEDICK,
JACOB BROWNING,

WM. LARKINS.

The jurors in Class No. 21, would report as follows:

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|---|----------------------|
| A. FOLSOM & SON.—Carriages, Buggies, etc. | |
| For best general display of Carriages, California make. | <i>Gold Medal.</i> |
| For best Coupé. | <i>Silver Medal.</i> |
| For best Open Rockaway. | <i>Silver Medal.</i> |
| M. J. McCUE.—Hacks, Buggies, etc. | |
| For best Hack. | <i>Silver Medal.</i> |
| For best Top Rockaway. | <i>Silver Medal.</i> |
| For best Top Buggy. | <i>Silver Medal.</i> |
| For best display of Carriage Blacksmithing. | <i>Diploma.</i> |
| W. E. SHAW.—Carts and Buggies. | |
| For best Village Cart. | <i>Silver Medal.</i> |
| For best Open Buggy. | <i>Silver Medal.</i> |

At this stage of our report we would make the remark that the exhibits by the three parties above named (Messrs. A. Folsom & Son, M. J. McCue and W. E. Shaw), are all of superior excellence. In the especial points pertaining to first-class carriage work, viz: proportion, taste and finish, they will compare favorably with carriages manufactured at the best Eastern or European manufactories. We deem it, therefore, a pleasure to say that residents of the Pacific States need no longer feel it necessary to send abroad for that article—*par excellence*, a first-class carriage—of any description.

STUDEBAKER BROS. MANUFACTURING Co.—Carriages.

This display deserves a special mention as being of marked character, and coming up very closely to the standard of our Californian manufacture.

For best display of Imported Carriages. *Silver Medal.*

DAVID KERR.—Truck and Ambulance.

For best 2 or 4-horse Truck. *Gold Medal.*

For Ambulance, for dumb animals. *Silver Medal.*

CARVILL MANUFACTURING Co.—Display of Carriages.

For best Buggy-Top Phaeton.

Silver Medal.

E. SOULE.—Carts.

For best Dump Cart.

Silver Medal.

J. A. BILZ.—Display of Carts.

For best general display of Two-wheel Carts.

Silver Medal.

CHAS. W. STEIN.—Display of Carriage Materials.

Right here allow us to add an expression of thanks, on behalf of all good carriage-builders, that we have in California a party of sufficient nerve to invest his capital in expensive goods of this nature; also, one eminently qualified in experience and practical ability. The exhibit shows his superior taste in this line.

Gold Medal.

OSBORN & ALEXANDER.—Bicycles and Tricycles.

Best Bicycle.

Bronze Medal.

Best Tricycle.

Bronze Medal.

R. KILLEY.—Buckboard.

Bronze Medal.

WATERHOUSE & LESTER.—Unfinished Wagon Seats and large Wagon Wheel.

Diploma.

HAWLEY BROS. HARDWARE Co.—Imported Wagons.

For best Farm Wagon, Eastern make.

Silver Medal.

BAKER & HAMILTON.—Spring Wagons.

For best Four-Spring Two-Seat Wagon, Cal. make.

Silver Medal.

F. C. MILLIKEN.—Dump Wagon.

Diploma.

Under the head of Meritorious Exhibits, not especially specified, we would call your attention to a fine Milk Wagon by M. J. McCue; also an unfinished Sulky by the Carvill Manufacturing Company—both received too late for competition.

A. W. SANBORN.—Imported Wagon Work.

Diploma.

J. McLAUGHLIN.—Thill Coupling.

Diploma.

CLASS 22.

Furniture, Upholstery, etc.

JURORS:

DR. BENJAMIN MARSHALL.

MRS. JENNIE McLEOD.

J. D. REDDING.

In accordance with your request we have made a careful survey of articles in Class 22, and beg leave to submit the following report:

FRANK N. FIELD.—Desk and Cabinet (Combined.)

G. W. CLARK & Co.—Wall Decoration, Wall Paper, Window Shades, Fixtures, etc.

For Wall Paper. *Bronze Medal.*

For Window Shades and Fixtures. *Bronze Medal.*

KEYSTONE WRINGER COMPANY.—Spring Beds. *Bronze Medal.*

F. RENTSCHELLER.—Display of Furniture and Upholstery.
For Carpet Rockers. *Diploma.*

C. H. TOWNSEND.—Kitchen Table. *Diploma.*

FAY & Co.—Display of Furniture.
For Extension Tables. *Diploma.*
For Wardrobe Beds. *Bronze Medal.*

LOCK SPRING MATTRESS Co.—Display of Lock Spring Mattresses. (See Class 12.)

AUGUST HANSON.—Display of Furniture.

INDIANAPOLIS CHAIR MANUFACTURING Co.—General display of Furniture.
For best display. *Gold Medal.*

OTTO EMHOFF.—Inlaid Secretary, by a boy 16 years old. *Diploma.*

JOHN CALLIHAN.—Drop Roller for Window Shades. *Bronze Medal.*

HEYWOOD BROS & Co.—Display of Rattan Goods. *Silver Medal.*

B. F. FARRAR.—General Display of Furniture.
Best Bedroom Sets, California make. *Silver Medal.*
Best Spring Mattress. *Bronze Medal.*

PACIFIC SPRING & MATTRESS Co.—Furniture and Upholstery.
Best Display of Sofa Beds. *Silver Medal.*
Best Parlor Suits, California make. *Silver Medal.*
Best Turkish Chair. *Diploma.*

TRUMAN S. CLARK & SON.—Upholstery, Furniture, etc.
Best Metal Spring Bed Bottom. *Bronze Medal.*
Wire-Coiling Machine. *Diploma.*
Iron Bedsteads. *Bronze Medal.*
Carpet Lining, Stair and Mattress Pads. *Diploma.*

E. H. MARWEDEL.—Brass Bedsteads, Curtain Poles, Stair Rods.
Bronze Medal.

H. H. GROSS.—Burr Folding Bed. *Bronze Medal.*

THE BOLLER FURNITURE MANUFACTURING Co.—Display of Furniture, etc.
Display of Square Turning. (See Class 19.)

MRS. CARRIE MORSE.—Double Crib. *Diploma.*

CLASS 23.

Billiard Tables.

J U R O R S :

JOHN B. LUCHSINGER,

NATHANIEL HUNTER.

P. LIESENFELD.—Billiard Tables, etc.—It is with pride we are able to report that California stands second to none in the manufacture of Billiard Tables. These tables are the finest we have ever seen, and after a careful examination of this very creditable display, we find specimens of design, workmanship and finish not excelled by any other class on exhibition. We recommend that this exhibit be awarded the highest premium for the Best Display of Billiard Tables.

All the tables exhibited by P. Liesenfeld are of California manufacture, which industry should be encouraged. One of the tables exhibited by him is a patent combination, carom, 4 or 6-pocket or pool table, upon which can be played all the different games of billiards, a result long sought for by the billiard-playing public. The tables are furnished with various cushions of different degrees of activity, satisfying both amateur and professional billiardists.

The display of cues, rack, billiard materials, billiard and pool balls, are made from the finest and best seasoned ivory, and does credit to the manufacturer.

Best display of Billiard Tables, Style and Finish

Silver Medal.

Best Billiard Table, California manufacture.

Silver Medal.

Best Billiard Table, Cushions.

Bronze Medal.

Best Billiard Balls, Cues and Racks.

Diploma.

CLASS 24.

Wooden Ware, Brushes, Cooperage, Etc.

J U R O R S :

J. K. C. HOBBS.

W. N. MILLER.

E. BURNHAM.

COOS BAY STAVE AND LUMBER COMPANY.—Wooden Ware and Cooperage.—The extensive and highly-creditable display of useful articles of home manufacture exhibited by this Company deserve very favorable consideration. Although their wares are intended for the most common household and commercial uses, in excellent workmanship, appropriate design and fine finish they approach the ornamental. The establishment of such factories in our midst merit our encouragement and patronage. We recommend:

Best Display of Wooden Ware.	<i>Silver Medal.</i>
Best Display of Cooperage.	<i>Silver Medal.</i>
Butter Packages, Churns and Refrigerators,	<i>Diploma.</i>

BUCHANAN BROS.—Brushes, Feather Dusters, etc.—This firm make a fine display of all kinds of Brushes, Dusters and Carpet Sweepers, and also have workmen at their stand engaged in the manufacture of Shoe, Stove and Scrub Brushes. Brushes, California make. *Silver Medal.*

KEYSTONE WRINGER COMPANY exhibit Clothes Wringers, Carpet Sweepers and Spring Beds.

Best Wringers and Carpet Sweepers.	<i>Diploma.</i>
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MAGAZINE MANUFACTURING COMPANY.—Patent Stove Brush.—This article is not classified, but as it appears to be a handy and desirable addition to the list of household conveniences, a late California patent and of home manufacture, we recommend an award. *Bronze Medal.*

WIESTER & Co.—Extensive Display of House Furnishing articles, novel and useful.	<i>Diploma.</i>
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B. F. VAN AMRINGE.—Magic Window Screen.—The Screens upon spring rollers are attached to the sash and window frame in such manner that, when the window is opened at top or bottom, the opening is closed by the screen against the ingress of mosquitoes, etc. Very highly recommended.

Diploma.

J. D. SLATER & Co.—Neat device for holding Brooms, Brushes, Mops, etc..

ADAM GOOD.—Barrel Bung, and Bung Extractor.

PETER FULLER.—Patent Beer or Air Pump.

WM. BERNARD.—Four-way Faucet for measuring liquids.

CLASS 25.

Boots, Shoes, Leather, Rubben Goods, etc.

JURORS:

W. B. FARWELL,

F. W. SUMNER,

C. S. CRITTENDEN.

We have examined the exhibits submitted to our consideration and beg to submit the following report:

P. F. McNULTY.—By reason of the superior excellence of the work exhibited by Mr. McNulty we are relieved of any embarrassment in reaching a conclusion. We can hardly conceive that there could have been any successful competition against him had there been a greater number of exhibitors. The specimens of work exhibited are all "custom work," made to order in each case and presenting features of great originality and excellence of work-

manship at once creditable to the exhibitor and to the growing industries of the State. Your Committee recommend the highest award in this Class.

For best display of Boots and Shoes, California make. *Silver Medal.*

For best Men's Boots, hand made. *Bronze Medal.*

For best Ladies' and Misses' hand-made Shoes. *Bronze Medal.*

W. T. Y. SCHENCK.—Cotton and Linen Hose.—We recommend an award.
Bronze Medal.

MAIN & WINCHESTER.—General display of Harness and Saddlery.—The display of goods exhibited by this firm can only be ranked as first-class in every conceivable respect. Whether considered in point of costly elegance, of manufacture or utility, from the most expensive exhibit of double harness down to the smallest riding whip, the work thus submitted to our inspection can only be classed as perfection in every detail, so far as we are competent to judge. There are sets of carriage harness in the space occupied by Messrs. Main & Winchester that can hardly be excelled in elegance and workmanship in any part of the world.

Saddles of every description of marvelous workmanship and device adapted for pleasure riding by both ladies and gentleman, and for racing or the most severe field service. In the exhibit of side-saddles there are features of great originality that must commend themselves to all good judges of these articles and which cannot fail to command general admiration.

The display of whips is singularly fine, and the workmanship on some of these, in the ivory carving of the handles, is of a high order of art. In all respects this display is most admirable, and is deserving of the highest meed of praise. We recommend the highest award.

For Best General Display of Harness and Saddlery. *Gold Medal.*

For Best Set of Carriage Harness. *Silver Medal.*

For Best Riding Saddle. *Bronze Medal.*

For Best Horse Collar. *Diploma.*

GILLESPIE & CHILDS.—Tule Inner-Soles for Boots and Shoes.—Though not in the printed schedule of the Association, we think they possess such merit as to fairly entitle the exhibitors to an award. *Diploma.*

KINKLER, SCHOENING & Co.—Leather for Button-hole Linings. *Diploma.*

The foregoing comprise all the exhibits in Class 25 which have been brought to our attention.

CLASS 26.

Paper, Furs, Cordage, etc.

JURORS:

P. J. THOMAS.

WALTER EARNshaw.

BARRY BALDWIN.

Your Committee of Jurors on Class 26 beg to report, as follows, the result of their examination:

THE CALIFORNIA JUTE MILL COMPANY.—Display of Jute and Jute Manufactures.—The exhibit made by this Company, embracing all the departments connected with an important industry, deserves more than a passing notice. From the tiny seed to the latest improvement in fineness of fibre or the latest experiment in bleaching flour bags, every step involves an interest which carries with it one of the features of the future welfare of the State.

The mill belonging to this Company is situated at Clinton, East Oakland. It employs 320 hands, of which nearly two-thirds are white and the remainder Chinese. At one time only the latter were employed, but they are gradually being displaced by white labor; and it is probable that before very long, with the additional machinery proposed and the extension of the work, the mill will give employment to between 400 and 500 white boys and girls, men and women. The monthly pay-roll is between \$8,000 and \$10,000. From 7,000 to 8,000 bales of jute are annually imported from Calcutta and manufactured into grain, wool and ore bags, twines, hop-cloth, matting, etc. The quality and superiority of its different productions are approved by the trade, and no difficulty is experienced in obtaining a higher price for its grain sacks and other manufactures than imported goods, for similar purposes, command.

The original cost of the plant, land and building was about \$300,000. The mill, under the very able superintendence of Mr. J. Robertson, is a flourishing institution. The following articles are on exhibition: Hackled, carded, dyed and plain jute; jute carpeting; mattings plain and colored; burlaps, ore, grain and wool-bags; twines, plain and colored—all making a handsome and interesting display.

We respectfully recommend this exhibit to the favorable consideration of your Board.

Silver Medal.

THE IMMIGRATION ASSOCIATION OF CALIFORNIA.—Display of the Products of the State, Agricultural Resources, etc.—Nearly three years ago, at a meeting of the Board of Trade of San Francisco, a proposition was offered by one of its members, embodying the principles of an organization giving encouragement to immigration, “principally among agriculturists.” It was considered experimental at first, and little confidence was entertained in its success. After a year’s trial it became manifest, however, that there was wisdom in its design, and a foundation was laid of an institution destined to be of great importance to every industry in the State. It was supported by subscriptions from the merchants of San Francisco and Sacramento, aided by the Central Pacific R. R. Company, the Pacific Coast S. S. Company, the California Sugar Refinery, and the Alaska Commercial Company. The income for the past year amounted to over \$10,500. Other localities in the State have contributed various small sums to its support. But the Association has had to rely upon the merchants and Companies above named to carry out its project. The disbursements are graded to the receipts, so that one cannot be unequal to the other. They consist mainly in rent, printing, salaries to Eastern and European agents, the Land Department, maps, publications in relation to free public lands, salaries of local officers, etc. About 200,000 pamphlets were distributed last year, besides other documents having a direct bearing upon the agricultural interests of California. The reports of the President and Secretary, which can be had

at the office, No. 10 California street, are filled with valuable statistics which those who are interested in the general welfare of California would do well to examine.

This Association, then, to give the public some idea of their work, makes an exhibit of the resources of every county in the State. Specimens of fruits, (green, dried and preserved;) samples of cotton grown in San Diego, Kern, Butte and Shasta counties; wools, raw silk, woods of various kinds, minerals, and soils are shown. In glass jars, varieties of wheat, the localities in which they are grown, and their product per acre are exhibited. Sheafs of oats 9 feet high, grown in Napa county, product 100 bushels to the acre, rise in majestic proportions before you. Preserved fruits, dried fruits and fruits from the tree are arranged, properly labelled; oranges grown in Butte county, in the thermal belt, 150 miles north from San Francisco and 750 feet above sea level, are placed on the shelves—all these procured from correspondents and parties who have settled on lands under the advice of the Association. Maps are also shown which serve as guides to the immigrant. Almost everything that would interest or benefit the settler in our favored State seems to be at hand. And this information and all its printed matter, is furnished FREE.

An organization which aims so earnestly to promote the interests of the State—which donates its means for the benefit of our Commonwealth—is assuredly entitled to and should receive a recognition from your honorable Committee commensurate with its merits. The member of the Board of Trade who originated the idea that has succeeded in settling upon the public lands many thousands of desirable immigrants, which has added to the State this great source of prosperity—agricultural settlements—may be numbered among the modern reformers in California political economy. The members and officers of the Association are as follows:

President, Arthur Briggs; Vice President, W. L. Merry; Treasurer, W. Steinhart; Secretary and Land Officer, C. H. Street. Executive Committee: James R. Kelly, C. F. Bassett, Wm. Blanding, J. V. Webster. Members: James R. Kelly, W. W. Dodge, Wm. L. Merry, Jules Cerf, Henry Payot, M. Ehrman, T. L. Barker, Arthur R. Briggs, J. V. Webster, C. F. Bassett, J. A. Folger, W. N. Hawley, W. Steinhart, Henry Casanova, Geo. K. Porter, Jas. Duffy, Wm. Blanding, C. W. Whitney, John C. Hall, and A. A. Wheeler.

Diploma.

THE CALIFORNIA STATE WOOL GROWERS' ASSOCIATION.—Specimens of Pure Spanish Merino—Shropshire, first, second and third grade crossings.—Mohair from full-bred Angora goats.—Wool Scouring, etc.—This exhibit was designed to show the importance of breeding-up, in order to gain a reputation for good wool. When it is considered that forty million pounds of this article are produced in this State and disposed of every year, and that the markets of the world are always open to wools of a high grade, the necessity of care in raising fine sheep is obvious.

J. H. Glide of Sacramento county exhibits a spring clip, six months' growth, of a full-bred Spanish Merino. It was entered for fineness and length of staple.

Diploma.

Frank Bullard of Woodland, Yolo county, also exhibits a spring clip, six months' growth, full-bred Spanish Merino. Entered for fineness of finish and strength of staple. *Diploma.*

J. B. Hoyt of Suisun has an exhibit of wool from a full-bred Shropshire, crossed with a pure-bred Spanish Merino. The parcels are divided into first, second and third crossings. The Shropshire being what is known as a middle-wool sheep, the crosses are entered for length, strength and elasticity of staple. This grade of wool is adapted for either combing or carding purposes. *Diploma.*

W. T. Olmstead, Hydesville, Humboldt county, exhibits specimens of graded wool. It is an evidence of the gradual improvement going on in the science of sheep-breeding. *Diploma.*

W. R. Gallup of Sacramento county exhibits wool of the Spanish Merino. The showing was good. *Diploma.*

Julius Weyand of Colusa county exhibits a fine specimen of Mohair from a pure-bred Angora goat. The long, wavy tresses are as delicate to the touch as the finest silk. The animals from which this growth was taken received the first premiums at the State Fair last year. They are said to be the finest breed in the country. *Diploma.*

The samples of scoured wool offered by the California Wool-Scouring Company, and Whitney & Webster, of this city, are very good. Proper attention to this department of wool-growing is of great importance, since it becomes advantageous in saving freight as well as showing the proper character of the wool. On close examination, we think the samples offered by Mr. John F. Knox, Superintendent of the Wool-Scouring Company, are the best for cleanliness and softness, and preservation of the wool in its natural state. *Diploma.*

The collecting of this exhibit of wools, its arrangement and general care is almost entirely due to the earnest efforts of Mr. L. J. Walker, whose services, by his knowledge of the subject, readiness to impart information and answer questions, has been of great value to visitors and an assistance to this Committee. We would recommend that he receives recognition. *Diploma.*

H. LEIBES & Co.—Furs, Dyed and Manufactured, Carriage Robes, Rugs, etc.—There is no second exhibit in this line at the Pavilion. The display, exceedingly fine, is interesting to the fair sex, who take special pleasure in viewing objects which render them attractive. The goods are arranged very tastefully, the allotted space being lined, paved and ceiled with furs, a large specimen of the Alaskan seal, well stuffed, guarding the entrance. The manufactures embrace seal, sea otter, beaver, silver fox, ermine, wolverine, red, white and black fox, polar bear, black bear, grizzly bear, tiger, leopard, California lion, grebe, eider duck and other skins, made up into cloaks, dolmans, gents' overcoats, capes, tippets, muffs, caps, bonnets, carriage robes, gloves, fur mats, rugs, etc. Two ulsters of the South Shetland fur seal, the rarest of that class, are attractive for their beautiful color and finish. Two carriage robes of eider down, trimmed with beaver, and others of grebe skins and ostrich feathers, are very fine.

An industry like this deserves to be encouraged. San Francisco being the *dépôt* from which the markets of the world are supplied with the fur-seal skins of Alaska and other furs of the Northern Pacific, it is looked upon by manufacturers and dealers in those luxuries with considerable interest, and its importance is increasing every year. In addition to the immense number of skins annually received by the Alaska Commercial Fur Company, other houses in the trade draw large supplies from independent trappers and hunters, who work in the seas and rivers of the Northwest Territories and British Columbia. Messrs. Leibes & Co. alone use up 10,000 skins.

A great deal of money must necessarily be invested in this industry. This firm employ a large number of young men and women, and their exports extend to Paris and London, principally through the influence of tourists, who find a better article here at a cheaper rate than they can get at home. It is not too much to expect that in the near future this city will become the mart for the supply of fine furs, just as London and Leipsic and Paris are now noted in the markets of Europe for that manufacture.

While your committee have no comparisons to make in competition, they recommend the exhibit to your most favorable consideration.

For best display of Furs and their Manufacture.

Gold Medal.

Display of Carriage Robes.

Bronze Medal.

Furs, Cleaned and Dyed.

Diploma.

TRUMAN S. CLARK & SON.—Dressed Goat Skins.—This is an exhibit of dressed and dyed Angora goat skins, used for carriage and parlor rugs. They are nearly all manufactured from imported hides, and are well preserved. The dyed skins, in red, blue and amber, preserve the rich waviness of the hair, and are very handsome. As a home industry it is worthy of recognition.

Bronze Medal.

WM. SONDERUP.—Dressed Skin Goods.—This is a local industry. Ladies' and gents' coats, jackets and vests for traveling, riding, hunting, yachting, etc., are put up in various styles, lined with flannel. The skins are of the finest sheepskin, dyed, and they are imported direct from Copenhagen, Denmark. These garments are intended as body-protectors against sudden changes of temperature, especially in a climate like San Francisco. They are light and seemingly pleasant, though better adapted to a lower temperature than furs. This style of clothing is much used in Northern Europe. As an original and local industry it is entitled to your consideration.

Silver Medal.

CALIFORNIA SILK CULTURE DEVELOPMENT Co.—In the year 1866 there was much enthusiasm in this city at the prospects of a new development of the "resources of California." Mr. Joseph Neuman, a skillful sericulturist, demonstrated the fact that our climate was well adapted to the cultivation of the mulberry tree and the raising of the silk worm. He had even succeeded in manufacturing the first silk flag ever made of American silk, from the cocoon. Mulberry trees were planted in large quantities, and the enterprise was so successful that four years afterwards 34,000 pounds of cocoons were raised from the leaves.

As is usual, whenever a new field is open that threatens interference with an established commercial system with foreign nations, the enemies of the enterprise find means to discourage it. Obstacles were thrown in the way, and the press, through the misrepresentations of interested parties, innocently deceived the people, and instead of California being well advanced in the cultivation of silk, the enterprise languished, until it almost died of inanition. A few philanthropic enthusiasts, however, keep the idea alive, and, through the efforts of some ladies of our State, the raising of cocoons and the cultivation of the mulberry is still a factor in Californian industry.

But the pioneer, Joseph Neuman, to whose genius the idea of silk culture in California must be credited, still "holds the fort." He has organized and incorporated the association whose title heads this report. Believing in united effort, he appeals to people east and west of the Rocky Mountains to come forward and help "without jealousy, to develop silk culture." He shows to our Eastern brethren that *our* State is the only favored climate on this continent especially adapted to the feeding and raising of the silk worm. And then he furnishes ample statistics whereby an American manufacture can be established, vieing in importance with the silk trade of the Orient and Southern Europe. He demonstrates that the cultivation of the silk worm in our State will inaugurate a new system of labor, and place us "first among the silk producing countries of the globe." With our present facilities, and from the experiments already made, it is also shown that the company produced, within six years, from 1,000,000 to 2,000,000 pounds of cocoons, from which 600,000 pounds of raw silk can be made. It is the desire of the managers of this new "Silk Culture Association" to keep their stock out of the hands of manufacturers in the East, who are said to represent \$50,000,000 but whose interests rest in the importation of the raw material from foreign countries. All this is properly set forth in the circular distributed by the Company.

Further, to illustrate their theory, the Company have a reeling machine, a case of manufactured silks, several cases of cocoons, (the report of which latter exhibit belongs to another class), and some beautiful specimens of silk yarn.

The process of winding or reeling the cocoons is the same as was shown at previous exhibitions. It is always interesting, since the mystery of spinning that beautiful fibre is a blank to most people. From each little cocoon, —the end of the thread being first properly obtained—an average of 900 yards of silk as fine as a gossamer's web is reeled around an octagon frame. Four threads from as many cocoons are joined in one, and with great velocity the reel turns round and "gathers them in" on a fine, unbroken line.

The exhibit is exceedingly interesting, and is one of our most important industries.

Your Committee calls thereto a special attention.

For Raw Silk.

Diploma.

CLASS 27.

Silk, Woolen and Cotton Goods, etc.

JURORS:

MRS. JENNIE McLEOD,

JOHN W. TAYLOR.

After examination of articles in Class 27, we beg leave to report as follows:

SAN FRANCISCO PIONEER WOOLEN FACTORY.—Display of Woolen Goods.

For best General Display, *Gold Medal.*

For All-wool Cassimeres and Blankets, *Silver Medal.*

For Flannel and Underwear, *Diploma.*

CALIFORNIA SILK CULTURE DEVELOPMENT Co.—Manufactured Silk, including a magnificent flag from silk produced in 1869. (See Class 26).

Silver Medal.

CARLSON & CURRIER.—Display of Belding Bros. & Co's. Spool Silks, etc., made in California. *Gold Medal.*

J. SPAULDING & Co.—Samples of Work, Process and Compound for Cleaning and Renovating Carpets. *Silver Medal.*

CLASS 28.

Gentlemen's Furnishing Goods, etc.

JURORS.

C. G. TOLAND, M. D.,

BURR NOBLE.

JOE POHEIM.—Gents' Dress and Business Suits, and display of Cloths.

For Dress and Business Suits. *Silver Medal.*

J. H. KRUGER.—Display of Walking Canes. *Bronze Medal.*

J. M. LITCHFIELD & Co.—Military Goods. *Diploma.*

Society Goods, Regalias, etc. *Diploma.*

CHAS. SUTTON, JR.—Oiled Clothing, California manufacture.

Silver Medal.

WM. SONDERUP.—Skin Clothing. (See Class 26).

CLASS 29.

Ladies' Furnishing Goods, Millinery, etc.

JURORS :

MRS. D. S. DORN.

MRS. PETER J. BARCLAY.

MRS. A. M. JEWELL.

Having carefully and thoroughly examined the exhibits of this class, we take pleasure in submitting the following report:

PIONEER WOOLEN FACTORY.—A small but neat exhibit of ladies' underwear, without special merit. (See Class 27.)

KRAKER & ISRAEL.—The manufacture of embroidery by machinery is one of the most interesting exhibits of the Fair. We spent much time in watching the process. The firm also has a very good display of machine-made silk embroidery. *Bronze Medal.*

MRS. K. M. STEWART.—This lady has a very fine exhibit of bonnets and hats. Each one is a beautiful piece of workmanship of home manufacture. One bonnet, made from sponge, attracted the attention of every one. There is also a fine display of plumes in connection with this exhibit, which we consider worthy of the highest award. *Silver Medal.*

P. F. BUTLER makes a fine display of millinery goods. This exhibit is really very fine and deserves more than a diploma. *Bronze Medal.*

MRS. R. G. LEWIS.—Paper Patterns.—Has displayed her usual taste in her exhibit of ladies' dress styles. We consider that the exhibit merits an award. *Diploma.*

MISS MINNIE JAMES.—Ladies' Dress Suits.—Has a very tasteful display of ladies' costumes which deserve an award for both style and make. *Silver Medal.*

These ladies have very tasteful displays, and most interesting to ladies. We think they should both be encouraged, as their exhibits are entirely different, one for styles alone, the other of dress suits.

M. H. OBER & Co.—We recommend the highest award to this firm for display of Corsets and Corset Waists. All the articles on exhibition are noticeably neat and beautifully made. *Silver Medal.*

KELLY BROS.—A tasteful display of Corsets with elastic hip. These corsets are of Eastern make. For neat display we recommend an award. *Bronze Medal.*

MRS. B. CLARK.—Corsets.—As we were unable to learn the merit of these Corsets we can only notice their neat display.

A. J. BALNY.—A very fine display of Ostrich Plumes and Fancy Feathers. This is a very beautiful display. *Silver Medal.*

MADAME SOUTENIR.—A very good display of Feathers, Wings and small Birds. *Diploma.*

ESTATE OF SAMUEL HILL.—Work done on the Davis Machine.—To this machine we recommend an award for the best specimen work done during the Exhibition. The machines have all done fine work, but the Davis exhibits the finest work and more of a variety. *Bronze Medal.*

MISS EMMA MAST.—Bead Work.

MISS EMMA SCHUETTE AND ALICE BENNAN.—Collections of Buttons. We make no recommendations for these exhibits.

CLASS 30.

Tobacco.

JURORS:

EDGAR BRIGGS,

F. A. WATERHOUSE,

HENRY DOSCHER.

TECHNICAL SCHOOL OF THE CIGAR MANUFACTURERS' ASSOCIATION.—Cigar Manufacture.

Your Committee desire to call your attention particularly to this exhibition made by the Technical School for the instruction of boys and girls in the art of making cigars. This, in our opinion, is one of the most interesting as well as important features of the Exhibition, one that has within it the germ of a far-reaching system that if duly fostered and cared for must in a short time confer incalculable and lasting benefit upon the young of our City and State. This school is the outcome of an attempt on the part of the Chinese cigar makers of this City to force the manufacturers in this important branch of business to submit to such terms as they in their greed might dictate. These manufacturers, after full and fair consideration of all the interests involved, came to the unanimous conclusion that only by the establishment and maintenance of Technical Schools where the youth of both sexes could be taught in this and other branches of manufactures, adapted to their age and conditions, could they become permanently independent of the Chinese and their exactions. At the same time by employing the young of our City they would be conferring a lasting benefit upon them and relieve the parents of a great charge on their often limited resources. Acting upon this idea, a meeting of the manufacturers of cigars, and others feeling an interest, was called early in March last, at which meeting a committee was selected to arrange and recommend a plan for carrying out the object in view. This committee recommended the incorporation of a company with a capital stock of \$100,000, divided into 5000 shares of the par value of \$20. This plan was adopted and the act of incorporation fully completed. The cigar manufacturers subscribed for and took the entire capital stock, and some \$2,600 was contributed by the importers and dealers in cigars and those friendly to the object, and who desired to see it succeed. The following named gentlemen were selected as Trustees:

John W. Shaeffer, E. Goslinsky, J. S. Rosenbaum, J. M. Kaufman, A. Engelbrecht, Sol. Falk, Saml. Lewis, J. S. Bowman and Rudolph Mayrisch.

The Officers elected were: John W. Shaeffer, President; H. Engelbrecht, Vice-President; Rudolph Mayrisch, Treasurer; and J. N. Kaufman, Secretary.

Soon after the organization the Board of Directors succeeded in procuring first-class rooms which they have fitted up in the most complete and convenient manner, with all the appliances and accessories of a first-class cigar factory. Teachers were selected, male and female, the sexes having separate rooms and apartments assigned to them, each under teachers of their own sex. About the 24th of March, some thirty or more boys and girls commenced stripping and preparing tobacco for use in making cigars. By this time some 800 boys and girls had enrolled their names and signified their desire to enter the school and acquire the art of making cigars.

Three months' tuition was deemed absolutely necessary before they could become sufficiently proficient to entitle them to receive compensation. Quite a number of those who had originally enrolled their names, on learning this, did not enter the school, as they were unable to support themselves until they could become sufficiently expert to earn wages. A sufficient number remained and entered upon the work to occupy all the available room, and at the expiration of three months quite a class (sixty or more) had acquired sufficient ability in making cigars to entitle them to receive small wages, which they are being paid, or they can, at their option, go out and obtain employment in the factories of the city, where there is ample room for the employment of several thousand at fair wages, depending upon the skill of the individual. There is probably no branch of manufactures in this country so well adapted to girls as cigar-making, nor one in which they can earn more uniform wages. This school cannot, in the nature of things, be self-sustaining, but will require aid. Thus far the manufacturers who subscribed to the stock of the corporation have assessed themselves, from time to time, as the needs of the school demanded. There are many, however, who desire to avail themselves of the advantages which this school offers, but who cannot support themselves during the term of their tuition or apprenticeship. These girls and boys are the ones for whose benefit these Industrial Schools are a necessity, and should by all means be fostered, sustained and encouraged by those who have the means, and who have and should feel a deep interest in the future welfare of our city and State. We provide liberally for the education of all in the ordinary branches of an English education. How important, nay, absolutely necessary, that means should also be provided by which they can be taught and employed in some useful branch of manufacture adapted to their ages and ability!

This so-called hoodlumism in our city is to a great extent the result of enforced idleness, not self-chosen, but for want of proper employment and proper direction. It then becomes the duty of all who feel an interest in the future of our youth, our city and State, to encourage and assist in maintaining mechanical or training schools so that all who desire can find employment and support themselves respectably, as becomes Americans. Failing in this we fail in our duty to ourselves, our country and our kind.

Diploma.

BAUMGARTNER & BOHLS.—Cigarettes and Cigarette Tobacco.—We recommend to them the first premium for their Gold Bar Cigarette and Cigarette Tobacco. The tobacco from which they are made is the finest bright Aromatic Golden Leaf Virginia Tobacco, free from all impurities. They are fully equal to the finest imported cigarettes. *Bronze Medal.*

THE FRIEND-ERSKINE CIGAR Co.—This Company have on exhibition a fine display of their manufacture of domestic cigars. These cigars are made of the best material and are as represented in their catalogue and price list, entitling them to the highest award in their class for both quality and workmanship. *Silver Medal.*

QUIGLEY & SON.—Tobacco and Cigarettes.—We recommend an award to this firm for their Granulated Smoking Tobacco, the only exhibit of this class of manufactured tobacco. Their long cut and cigarette tobacco and cigarettes were also good.

For Best Granulated Smoking Tobacco.

Silver Medal.

MRS. C. MURRAY.—Turkish Tobacco and Manufacture of the Latakai Cigar.—The cigars exhibited are manufactured of Havana Tobacco as a basis, with the addition of a small quantity of Turkish Latakai Tobacco which gives to them a peculiarly sweet aromatic flavor, entitling them to a special premium. This lady is deserving of great praise for her efforts in establishing a school for the instruction of young ladies in the art of making cigars, quite a number having learned the trade under her immediate instruction. Herself a practical cigar maker, she possesses in an eminent degree those qualities which enable her to impart a thorough knowledge of the business to those who may place themselves or be placed under her instruction. None but girls of from fourteen years and upwards are taken under instruction. The school commends itself to all who take an interest in the education of the young women of our city in such branches of manufactures as are adapted to them, and in which they may be enabled to earn a respectable living and aid in the support of those who may be dependent upon them. The manufacture of cigars is peculiarly well adapted to females, as it requires a light, delicate touch as well as neatness in all its details; at the same time there is nothing in the business calculated in any way to injure the health of those employed in the manufacture. There is ample room in San Francisco for the employment of several thousand in the manufacture of cigars, and in no branch of business adapted to females can they earn more with the same amount of skill and labor. *Diploma.*

CLASS 31.

Chemical and Pharmaceutical Products.

JURORS:

CHAS. R. STORY.
W. B. RISING.

DR. H. BEHR.
W. T. WENZEL.

D. J. STAPLES.

After a careful consideration of the various exhibits in this class we recommend the following for such award as the Managers may deem proper:

HENRY LAKE.—Shoe Blacking of California manufacture. *Silver Medal.*

RUSSIA CEMENT.—Liquid Fish Glue.—A new and valuable industry. *Silver Medal.*

WESTERN PERFUMERY Co.—Perfumery and Flavoring Extracts.—This firm is a large manufacturer of the above articles, particularly of perfumery, which compares favorably with the best imported.

For display and best perfumery, *Silver Medal.*

For flavoring extracts, *Diploma.*

G. G. WICKSON & Co.—Imperial Egg Food. *Bronze Medal.*

J. SPAULDING & Co.—Cleansing Compound. (See class 27.)

MRS. H. M. RUTHERFORD.—Engraving Fluid. *Diploma.*

CONTINENTAL OIL AND TRANSPORTATION Co.—Lubricating Oil for Machinery, etc. (See class 32.) *Bronze Medal.*

PHELPS, FOSTER & Co.—Cleansing Preparation.

ROYAL MUSTARD MILLS.—Mustard Oil.—This oil was made in the Pavilion during the fair, by ingenious and powerful machinery, designed and manufactured expressly for them. The exhibit was interesting and instructive, and the oil produced from California mustard seed of the first quality. (See class 5). *Diploma.*

WM. GREER.—Display of Perfumery. *Diploma.*

BOTHIN MANUFACTURING Co.—Giant Baking Powder. *Silver Medal.*

[The following exhibits and awards were not reported upon by the Committee, but made by the Managers:]

CALVERT & Co.—Shropshire Dip for Skin Diseases of Sheep. *Diploma.*

DOWNING & SON.—Display of Murray & Lanman's Florida Water. *Diploma.*

H. B. SLAVEN.—California Fruit Salt. *Diploma.*

KALLIODONT MANUFACTURING Co.—Dental Toilet Articles. *Diploma.*

CALIFORNIA VOLCANIC MINERAL WATER Co.—Natural Mineral Water, "Castilian." *Diploma.*

MADAME ROBISON.—Manicure and Cosmetic Articles. *Diploma.*

CLASS 32.

Geology, Zoology, Botany, etc.

JURORS:

H. H. BEHR, M. D.

W. G. W. HARFORD.

As jurors appointed to examine and report upon the exhibits in Class 32, we respectfully submit the following:

THOMAS MORTON.—Display of Coal.

Silver Medal.

THE CALIFORNIA SILK CULTURE DEVELOPMENT Co.—A large collection of Cocoons and Raw Silk.

Silver Medal.

CONTINENTAL OIL AND TRANSPORTATION Co.—Crude and Refined Petroleum of California.

Silver Medal.

WOODWARD'S GARDENS.—Stuffed Bird and Mammal Skins.

Silver Medal.

THOMAS HATCH's superb display of California and Pacific Coast Woods is especially fine, and although foreign woods are likewise contained in the same collection, our native products do not suffer by comparison. This display fully merits the

Silver Medal.

[See also Class 19.]

CLASS 33.

Groceries, Meats, Canned Goods, etc.

JURORS:

J. D. P. TELLER.

A. S. PETERSON.

F. G. BERRY.

H. B. BIRNBAUM.—Cibil's Fluid Extract of Beef.—A good article.

Diploma.

SCOTT, MCKEAN & Co.—Agts, Moore & Brady, Baltimore, Deep-Sea Oysters.—We have never seen finer than these.

Diploma.

J. MORTON, JR.—Parisian Sauce.—This is a new sauce and very excellent.

Diploma.

GEORGE HAAS.—Confectionary.—A very fine exhibit.

Silver Medal.

P. WULFF.—Mustard Pickles and Sauce.—A good article of the kind.

Bronze Medal.

RICHARDS, HARRISON & SHERWOOD.—Display of Japanese Tea and Tea Firer.—This is a new thing in California. The machines are made here and the enterprise is deserving of special recognition.

Diploma.

MRS. SOL. RUNYON.—Jams, Jellies, Preserves, Brandy and Spiced Fruits, Sweet Pickles, etc.

For best Jams, Jellies and Preserves (Home-made,) splendid exhibit.

Silver Medal.

WHEELER PACKING Co.—Display of Fruits and Vegetables in Glass.—Worthy of special recommendation.

Silver Medal.

MRS. L. H. MOISE.—Preserved Fruits in Glass, home-made.

For best display,

Silver Medal.

CASTLE BROS.—Breakfast Gem.—A California production, and new article of food; should be encouraged.

Diploma.

CLASS 34.

Wines and Brandies.

JURORS:

R. BEVERLY COLE, M. D.

ALFRED REGENSBERGER, M. D.

JAS. SIMPSON, M. D.

F. G. BERRY.

HENRY DOSCHER.

Your Jury desire to express their surprise at the meagreness of the exhibit of Native Wines and Brandies, the second in importance, and perhaps to become at no distant day, the finest, as to value, of the industries of the State. We were astonished to find that but about five manufacturers or dealers made any display, and would respectfully suggest that renewed and increased efforts be made in the future, having in view the securing of a larger number of exhibitors and a relative increase in the number of exhibits.

The reason for the above suggestion is respectfully submitted, viz: that it is a fact well known to your Jury that there are many wines, both white and red, as well as brandies, in the market, of California manufacture, quite equal, and in many instances superior to those presented; and that consequently, in assorting premiums necessarily (in some instances) inferior articles receive the highest prize which would go to others justly were they on exhibition; thus an erroneous impression is given as to the relative value of one of the most important productions of the State.

ARPAD HARASZTHY & Co.—Champagnes, Wines and Brandies of California Production.—This was the finest general display in competition, and for which we recommend.

Gold Medal.

Riesling, 1881 and 1882.

Diploma.

Zinfandel, Table Claret.

Diploma.

Port, (unusually dry).

Diploma.

Angelica.

Diploma.

Champagne, Eclipse.—This champagne is produced by fermentation in the bottle according to the methods in the Champagne districts of France.

Silver Medal.

J. H. DRUMMOND, Glen Ellen, Solano Co.—California Wines.

Red Wine, (Burgundy Type.) Vintage 1881, Remarkably Fine.

Diploma.

Franc Pinot, 1883. For an infant, remarkably precocious, with great promise.

Diploma.

Red Wine, 1881. (Table Claret.)

Diploma.

White Wine.

Diploma.

Sauterne, 1882.

Diploma.

Gutedel, 1881.

Diploma.

S. LACHMAN & Co.—California Wines.

Gutedel, Vintage, 1880. Excellent.

Diploma.

Madeira, 1876. Decidedly the best Wine on Exhibition. *Diploma.*
 Muscat, 1876. *Diploma.*

G. M. JARVIS, of San Jose, made an excellent general exhibit (perhaps the best) also of Grape Brandy, Sherry Wine, Port Wine, all of superior quality, particularly the Brandies; but being simply entered as an exhibition and consequently not in competition, your Jury regret that they were not at liberty to make awards.

For Excellent Display.

* *Silver Medal.*

H. B. SLAVEN.—Wines and Brandies from Vineyard of E. J. Baldwin.—The display of this exhibitor was fair, but as only one sample of Brandy was presented to the Jury, without label or other evidence of genuineness, your Jury declined to examine the same.

A. FENKHAUSEN & Co.—Exhibit of Kentucky Whiskey.

Old Pioneer.

Diploma.

Rum Punch. An Excellent Article.

Diploma.

Swedish Bitters. A very pure and simple Bitter.

Diploma.

* By the Managers.

CLASS 35.

Fermented Products.

JURORS:

R. BEVERLY COLE, M. D.

ALFRED REGENSBERGER, M. D.

JAS. SIMPSON, M. D.

F. G. BERRY.

HENRY DOSCHER.

BURNELL & TURNER.—Albion Ale and Porter.

Silver Medal.

WM. GOEPPERT & SON.—Bavaria and Felsen Beer.—This beer (for new beer) is of excellent quality and flavor.

Silver Medal.

L. ST. JOHN & Co.—Root Beer.

Diploma.

J. H. GATES.—Exhibit of "Pepsin Wine Bitters," was considered by the Jury out of place in either class coming under their functions, and therefore did not consider its merits.

CLASS 36.

Printing, Lithography, etc.

JURORS:

E. McD. JOHNSTONE.

J. W. HARBOURNE.

W. M. HINTON.

Your Committee, in examining the displays in this class, take occasion to express their regret at the very meagre display of printing, book binding, etc.,

there being nothing worthy of mention from our large printing establishments, and many of them were not represented at all.

E. DITMAN.—Fancy Cards and Paper Goods.—There is nothing in this display worthy of special mention.

F. A. LABADIE.—Map of the Mexican States.—We would recommend
Diploma.

H. E. MATHEWS.—Printed Badges.

R. P. TRALER.—Paper File.—We find nothing extraordinary in this exhibit.

J. C. MERIAM.—Display of Maps, Atlas, etc.—We would recommend
Diploma.

W. S. MOORE, for Golden State Amateur Press Association.—Amateur Books, Newspapers, etc.—We find this a very meritorious display and would recommend a
Bronze Medal.

WM. M. CUBERY & Co.—Large frame of Society Cards.—We would recommend
Diploma.

H. J. CLAYTON.—Sample of Printing, Quaker Cook Book of Original Receipts.
Diploma.

CLASS 37.

Gold, Silver and Plated Ware, Clocks, Watches, etc.

JURORS:

H. ELLEAU,

L. THOMPSON.

Agreeable to your request we have carefully examined the following exhibits contained in Class No. 37. We have not placed them, in our report, according to merit, but in rotation as they were given to us.

GEO. M. WOOD & Co.—This exhibit consists of a case of Door-plates. Your Committee can see nothing in it worthy of notice.

GRIMM & NOLAN.—This display contains some good brass finishing work, but the nickel and silver-plating we consider of inferior quality.

E. G. DENNISTON makes a good display of Silver-plated Ware. The workmanship and finish are very good; this exhibit is also the largest and most complete, and we would recommend them for the highest award.

Silver Medal.

PACIFIC GOLD, SILVER AND NICKEL PLATING WORKS.—This display, although in our opinion not as good as the above, is still very good and we consider it deserving of mention.
Diploma.

ICHI BAN.—Japanese Goods.—Perhaps the most complete and important exhibit in our department is this one. We do not hesitate in recommending it for the highest award, having found it complete and very interesting.

Bronze Medal.

NAT RAPHAEL & Co.—Display of the “Mechanics’ Watch.”—This exhibit consists of a few cheap nickel watches. We do not consider them deserving of any mention and decline to recommend them. **Diploma.*

**By the Managers.*

CLASS 38.

Scientific Apparatus, etc.

JURORS:

THOMAS A. EVANS.

L. N. JACOBS.

EMILE BOESCH.

Your Committee, after making a careful inspection of the various articles entered in Class 38, recommend the following awards:

CALIFORNIA ELECTRIC LIGHT Co.—Dynamo Machine and Display of Electric Light, Brush System. *Special Gold Medal.*

CALIFORNIA ELECTRICAL WORKS.—Electrical Supplies.

Best Display of Telegraphic and Electrical Apparatus, California make. *Silver Medal.*

Best Automatic Fire-Alarm Apparatus. *Bronze Medal.*

Best Electrical Hotel Annunciator. This annunciator permits one set of numbers to be used for two or more floors, making a great saving in the cost of fitting up such an apparatus. We consider this an article of merit and worthy of award. *Bronze Medal.*

Best Telegraphic Printing Apparatus. Not being in operation, your Committee had no opportunity to judge of its merits. *Diploma.*

Best Burglar Alarm. The burglar alarm, in connection with the electric mat and automatic gas-lighter, is worthy of special merit as a valuable safeguard. *Bronze Medal.*

Best Electric Pen. *Diploma.*

PACIFIC THOMPSON-HOUSTON ELECTRIC LIGHT AND POWER Co.—Dynamo Machine Lamps, Fixtures and Light. *Special Gold Medal.*

ELECTRICAL SUPPLY Co.—Electrical Supplies.—A very creditable display, exhibiting articles of good workmanship and fine finish. Brooks’ Faradic Current Distributor, invented by Mr. Orion Brooks of this Company, is worthy of special mention. By its aid the electric waves from a Faradic machine are distributed so that a positive or negative current may be applied as the practitioner may desire. We consider this an article of merit, and recommend an award of a *Silver Medal.*

Electric Turn-table, also exhibited by the Electrical Supply Co., is a useful appliance for displaying articles. *Diploma.*

Best Telegraphic Set, Key and Sounder. *Bronze Medal.*

SPERRY ELECTRIC LIGHT Co.—Arc and Incandescent Lighting on Same Circuit. *Silver Medal.*

BAXTER OVERLAND TELEPHONE Co.—Best Telephone and Transmitter. *Silver Medal.*

JOHN ROACH.—Mathematical, Optical, Nautical and other Instruments.—The instruments manufactured by this gentleman are of the first quality, and are not excelled for accuracy, finish and workmanship, and we recommend him the highest award. *Gold Medal.*

Best Set Drawing Instruments. *Diploma.*

Plummet Lamp for underground surveyor's work. *Silver Medal.*

H. H. MATTHEY.—Display of Opera Glasses and Microscopes. *Bronze Medal.*

W. B. WILSHIRE & Co.—Scales.—The Improved Grocer's Scale, made by the Buffalo Scale Co., and exhibited by them, is worthy of merit. *Silver Medal.*

HOWE SCALE Co.—Display of Scales.

DAVIS & LOOK.—Incubators and Brooders.—The Golden Gate Incubator, made by this firm, is of decided merit and worthy of award. For the best Incubator. *Silver Medal.*

B. F. WELLINGTON.—Incubator.—Not being in operation, we had no opportunity to judge of its merits.

OSBORNE & ALEXANDER.—Incubators.

G. B. BAYLEY.—Incubator.

UNITED GAS IMPROVEMENT Co.—Siemen's Patent Regenerative Gas Lamp.—This lamp, giving a light of 500 candle-power, consumes 50 cubic feet of gas per hour. The flame is white and remarkably steady. This is an exhibit of great merit and deserving of an award. *Silver Medal.*

C. RICHARD KNAPP.—Vacuum Press Percolator.—This apparatus is especially useful to the pharmacist in the rapid extraction of the medicinal properties of drugs, and we recommend it as an article of merit and worthy of award. *Bronze Medal.*

CLASS 39.

Medical, Surgical and Dental Instruments and Appliances.

JURORS:

F. CORNWALL,

J. H. HATCH,

A. WARNER.

MRS. C. W. STEVENS.—Adjustable Shoulder-brace and Suspender. *Silver Medal.*

WM. BEEMAN.—Artificial Limbs, California make.	<i>Silver Medal.</i>
Assortment of Trusses, Bandages, etc., California make.	<i>Diploma.</i>
PACIFIC ELECTRIC Co.—Electric Belts and Electric Truss.	<i>Diploma.</i>
B. GALLAND.—Folding-cabinet Steam Bath.	<i>Bronze Medal.</i>

CLASS 40.

Embroidery, Needlework, Hairwork, etc.

JURORS:

MRS. FRANK W. SUMNER.

MISS SUSIE SROUFE.

MISS ANNIE DUNCAN.

After a careful and critical examination of the work submitted to our inspection, we respectfully submit the following:

LOUIS ANDERSON.—Best Woolen Mat.	<i>Diploma.</i>
MISS ANNIE ALLEN.—Tapestry Picture.	<i>Diploma.</i>
MISS S. A. ARMSTRONG.—Embroidered Sofa Cushion.	<i>Diploma.</i>
MRS. M. BUSCELLI.—Best Specimen Crochet Work.	<i>Diploma.</i>
MRS. R. BAKKER.—Knitted Bed Spread, best on exhibition.	<i>Diploma.</i>
ANNA E. BOGLE.—Sofa Cushion and Tidies.	<i>Diploma.</i>
MISS MAGGIE BUTTE.—Hand-made Lace.—The largest and finest display of Point-lace, elegant in design and beautifully executed.	<i>Silver Medal.</i>
MISS K. BRYANT.—Embroidery.	
MRS. S. A. BROWN.—Crazy Quilt and Shams, the best on exhibition.	<i>Diploma.</i>
MISS NELLIE BERER.—Hand Net Quilt.	
MRS. A. BAKER.—Display of Wax-work.	<i>Bronze Medal.</i>
MRS. P. W. CRAIG.—Sofa Pillow.	
MRS. MARY CUMMINGS.—Silk Table Cover.	<i>Diploma.</i>
MAGGIE C. CORR.—Air Castle.	<i>Diploma.</i>
MISS CARRIE CHRISTEN.—Tapestry Picture, best display.	<i>Diploma.</i>
MISS ANNIE CECIL.—Autumn Leaves.	<i>Diploma.</i>
MRS. THERESA CORLETT.—Skeleton Leaves.	<i>Diploma.</i>
MISS MARY CULL.—Worsted Afghan.	
MRS. J. E. COTTER.—Preserved Natural Flowers, very artistically arranged.	<i>Bronze Medal.</i>
Also, collection of Sea Moss.	<i>Diploma.</i>
MISS DICIE HENDERSON.—Worsted Quilt.	

- MISS EVA HORE.—Darned Net, exceedingly well done and very pretty. *Diploma.*
- MRS. WM. HICKELRATH.—Crochet Spread.
- MRS. J. P. HENDERSON.—Ermine Trimmings. *Diploma.*
- MRS. V. HUPPERT.—Pond Lilies. *Diploma.*
- MRS. M. B. HENDERSON.—Hair-work, best on exhibition. *Diploma.*
- FANNIE KALISKY.—Embroidered Table-Cover; very good for child 13 years of age. *Diploma.*
- MRS. C. W. KING.—Crazy Table-Cover. *Diploma.*
- MRS. P. J. KRAMER.—General display of Chenille, Kensington, Arrasene and Ribbon-work.—For originality of design and elegance of workmanship this lady's work cannot be surpassed. Worthy of first prize. *Silver Medal.*
- MISS MARIA LANGREHN.—Best collection of Pictures in Embroidery. *Diploma.*
- MRS. LIZZIE LORD.—Worsted Work.
- CLARA LEALE, aged 9 years.—Crochet Tidy; very good. *Diploma.*
- J. M. LITCHFIELD.—Gold and Silver Embroidery. Recommend medal. *Bronze Medal.*
- MRS. B. MORTENSEN.—Spread and Bureau Pieces. *Diploma.*
- MRS. A. M. MARSTON.—Ornamental Scarf and Spread. *Diploma.*
- FRANCISCA MARTINEZ.—Spanish Drawn Work; exquisite workmanship. *Diploma.*
- MRS. ELLA POOLE.—Felt Piano Cover.
- CHAS. PEAKE & Co.—Turkish Rug. *Bronze Medal.*
- MRS. THERESA CORLETT—Decorated Table-Top with Autumn Leaves. *Diploma.*
- EMMA D. COOK.—Best Specimen Wax-Work. *Diploma.*
- Also, Beautiful Bouquet. *Diploma.*
- DAISY CRANE.—Crazy Sofa Cushion.
- MRS. WM. CUMMINGS.—Quilt.
- MRS. H. CONROY.—Afghan.
- MISS ANNIE DAVIS.—Worsted Wreath. *Diploma.*
- MISS GEORGIE DAVIDSON.—Crochet Quilt and Shams. *Diploma.*
- MRS. MARY W. DAVID.—Fancy Mat.
- MRS. MARY EBELER.—Best Crochet Spread. *Diploma.*
- MRS. M. EVANS.—Knitted Lace; very good. *Diploma.*
- Mexican Drawn Work, Yoke and Sleeves. *Diploma.*
- MISS GERTRUDE FIELD.—Best Display Wax Flowers. *Diploma.*
- MISS A. M. FAVOR.—Needle-work. Second Best Collection, *Bronze Medal.*
- MRS. P. A. FISH.—Painted Crazy Quilt; very good. *Diploma.*

- MRS. WM. FRASER.—Wax-Work.
- MRS. JOHN FULTON.—Painted Table Drapery. *Diploma.*
- JACOB FETSCH.—Best Collection Shell-Work. *Diploma.*
- MISS EMMA GEORGE.—Crochet Work.—Bureau Set, Pillow Shams, and Spread. *Diploma.*
- MISS L. P. GARCIN.—Best Specimen Crochet Tides, very fine and neatly done. *Diploma.*
- MRS. J. GILLAN.—Needle-work.
- MRS. J. GRIFFIN, aged 82 years.—Silk Quilt. *Diploma.*
- MRS. JANE HENDRY.—Cotton Quilt.
- MISSSES E. AND R. MURRAY.—Native Grasses, Ferns and Mosses of Marin county; very pretty display. *Diploma.*
- MRS. WM. LYNE.—Rustic Tables. *Diploma.*
- SYLVIA ROTTANZI.—Worsted and Linen Embroidery. *Diploma.*
- MRS. E. A. SHERMAN.—Lace Handkerchief; a very beautiful piece of work. *Diploma.*
- MRS. SOL. RUNYON.—Net-work; largest display. *Diploma.*
- MRS. H. L. ROSENBLUM.—Patch-work; very good. *Diploma.*
- Best Display of fine Crochet Work. *Diploma.*
- MRS. M. E. STEEVER.—Afghan. *Diploma.*
- MISS I. S. SMITH.—Bed Spread and Tidies.
- RIKA SMITH.—Picture in Embroidery.
- MISS FANNIE F. SHAMP.—Hand-made Lace; very neat in design and dainty in execution. *Diploma.*
- MRS. C. THRALL.—Silk Quilt.
- MRS. A. R. VROOMAN.—Silk Tapestry.—The effective combination of colors and skillful execution of this piece renders it one of the finest exhibits. *Bronze Medal.*
- MRS. MOLLIE WILKINS.—Quilt and Shams.
- BERTHA WHITE, 11 years.—Crochet Tidy. *Diploma.*

CLASS 41.

Paintings in Oil and Water Colors.

JURORS:

T. J. BLAKENEY,

MRS. P. AMIRAUX,

The undersigned jurors in Class 41 of Division 8, under the instructions which have been received by them from your Committee on Music, Decoration and Art, would report that they have carefully examined the exhibits, by

local artists, of paintings in oil and water colors, and respectfully recommend that cash premiums may be awarded in accordance with the following list, viz:

Henry Alexander, 3 oil paintings, \$25; Saml. M. Brookes, 7 oil paintings, \$30; Norton Bush, 16 oil paintings, \$30; Miss S. E. Bender, 1 oil painting, \$2; Mrs. J. E. Brown, 2 oil paintings, \$5; Miss Ada Brewster, 2 oil paintings, \$2; Miss E. Bartholomew, 4 oil paintings, \$15; W. Behringer, 1 oil painting, \$4; Miss Alice Chittenden, 1 oil painting, \$5; Chas. J. Carlson, 1 oil painting, \$10; Mrs. S. M. Champion, 3 oil and 9 water color paintings, \$15; W. A. Coulter, 1 oil painting, \$5; G. Cadanasso, 1 oil painting, \$2; Miss M. E. Casey, 1 oil painting, \$4; Edwin Deakin, 29 oil paintings, \$75; C. De la Berry, 1 oil and 1 water color painting, \$2; W. O. Emerson, 25 oil paintings, \$20; H. R. Fish, 4 oil paintings, \$2; L. Fitzpatrick, 4 oil paintings, \$2; Félicité Fortier, 1 oil painting, \$2; Mlle. P. Granjean, 2 oil paintings, \$5; A. Goldensen, 5 oil and 1 water color paintings, \$2; Thomas Hill, 2 oil paintings, \$25; Mrs. W. L. Higgins, 3 oil paintings, \$4; Mrs. E. O. Hatch, 4 oil and 2 water color paintings, \$10; J. A. Hecht, 3 water color paintings, \$4; F. L. Heath, 2 oil paintings, \$4; Mrs. Wm. Ireland, 2 oil and 3 water color paintings, \$9; Alfred Jenks, 2 oil paintings, \$5; T. Kagi, 4 oil paintings, \$4; Miss Jessie Kirk, 2 oil paintings, \$5; Miss Rosa Lewis, 2 oil paintings, \$3; Miss Clara McChesney, 8 water color paintings, \$5; Mrs. M. H. Moore, 3 oil and 6 water color paintings, \$7 50; E. Narjot, 4 oil paintings, \$15; Arthur Nahl, 9 oil paintings, \$30; Miss Annie Oestermann, 6 oil paintings, \$5; Ada Piatt, 2 water color paintings, \$5; Miss Emily Ryder, 2 oil paintings, \$3; M. Strauss, 6 oil paintings, \$28; S. W. Shaw, 3 oil paintings, \$15; Miss Susie Sroufe, 15 oil paintings, \$15; Miss Emelia Stalmann, 3 oil and 1 water color paintings, \$5; F. Shafer, 30 oil paintings, \$20; Mrs. K. C. Vansano, 1 oil painting, \$2; Miss Dora Vassault, 2 water color paintings, \$4; Mrs. A. E. Wilson, 3 oil paintings, \$10; Virgil Williams, 4 oil paintings, \$25; Mrs. Dora N. Williams, 7 water color paintings, \$15; William Winter, 2 water color paintings, \$7 50; J. B. Wandesforde, 6 oil paintings, \$15; Miss A. Williams, 2 oil paintings, \$4; Chas. T. Wilson, 2 oil paintings, \$10; R. D. Yelland, 6 oil paintings, \$25.

The Committee is happy to notice a marked improvement, over the exhibit of former years, in the art productions of the Pacific Coast. We also note an improvement in the display of pictures on the walls as well as in the lighting and ventilation of the gallery.

CLASS 42.

Ceramic Art.

JURORS:

MRS. H. B. MAXFIELD.

FRANK UNGER.

MRS. HELEN BRODT.—Collection and Specimens of Ceramic Art.—For exquisite workmanship and novelty in design these specimens cannot be surpassed.

For best display,	<i>Silver Medal.</i>
For best single specimen of Painting on Porcelain,	<i>Bronze Medal.</i>
MISS A. CARTER.—Hand-Painted Fire Screen; very good.	<i>Bronze Medal.</i>
MISS M. E. CASEY.—Painting on Satin: Tidy.	<i>Diploma.</i>
MISS JENNIE E. CLARKE.—Oil Painting on Glass.	<i>Diploma.</i>
MRS. THERESA CORLETT.—Collection of Florentine and Barbotine Pottery.	
For the best display,	<i>Silver Medal.</i>
MISS SUSIE SROUFE.—Best Barbotine Work.	<i>Bronze Medal.</i>
MRS. F. A. FISH.—Decorative Art other than Ceramic.—The work of this lady is artistic, and shows careful study and work.	
For best collection,	<i>Bronze Medal.</i>
Best single specimen of Painting on Porcelain,	<i>Bronze Medal.</i>
Best Painting on Satin Lambrequin,	<i>Diploma.</i>
MRS. T. STURGIS.—Painted Mirror.	<i>Bronze Medal.</i>
HARRY S. FONDA.—Plaque in Oil.	
MISS J. I. HASTE.—Display of Ceramics.	<i>Diploma.</i>
MRS. E. C. HATCH.—Water Color Painting on Satin.	<i>Bronze Medal.</i>
MISS V. HUPPERT.—Painted Plaque.	
MRS. C. H. MORGAN.—Panel Screen in Oil: artistic and very beautiful.	
	<i>Bronze Medal.</i>
MISS EVA McCORMICK.—Collection of Lustre Painting.	<i>Bronze Medal.</i>
MISS LIZZIE SMITH.—Plaque in Oil.	
MRS. SARAH H. WESTON.—Decorated Porcelain; very good.	
	<i>Bronze Medal.</i>
MRS. LOUISE DE HORAN.—Painted Tambourine.	<i>Diploma.</i>
MISS EVE JOSEPHI.—Barbotine Vases.	<i>Bronze Medal.</i>
C. FLAMMER.—Enameled Pictures on Glass.	<i>Bronze Medal.</i>

CLASS 43.

Sculpture, Statuary and Carving.

JURORS:

FRANK UNGER,

MRS. H. B. MAXFIELD.

B. NATHAN & Co.—Display of Statuary, Bronzes, Paintings, Glassware and Art Work. (See Art Catalogue, page 56).

For the Best General Display of Art Work. *Gold Medal.*

JAMES LINFORTH —White Bronze Monuments of the Detroit Bronze Co. *Diploma.*

G. F. SALA.—Marble Statuary. *Bronze Medal.*

M. ROTH.--Statuesque; home production.

RICHARDS, HARRISON & SHERWOOD.--Japanese Art Statue--One of the most perfect specimens of wood carving ever exhibited in this city. *Diploma.*

MRS. JENNIE GIBSON AND MISS IDA LATHROP.--Display of Modeling, Bronzing, etc. (Exhibition only).

J. K. NEWTON.--Carved Meerschaum Pipe. *Diploma*

FRED. HECKMAN.--Ivory and Wood Carving. *Bronze Medal.*

MRS. S. F. NEIL.--Modeled Mirror. *Diploma.*

E. L. GIFFORD.--Repoussé or Hammered Brasswork. *Bronze Medal.*

MISS J. I. HASTE.--Repoussé Work.

MRS. H. A. WASTELL.--Repoussé Work. *Diploma.*

CLASS 44.

Engravings, Original Drawings, etc.

JURORS:

B. A. PRINDLE.

WILLIAM CURLETT.

After a careful and critical examination of the works submitted to our inspection, under Classes 44 and 45, we carefully submit the following as meriting awards:

A. HOFFMAN.--Steel Engraving. *Diploma.*

ADA A. AND NELLIE L. SCRIBNER, 6 and 8 years of age.--Pencil Drawings.--The works of these young artists deserve special mention. *Diploma.*

EVA E. SCRIBNER, 10 years of age.--Drawing; deserving of special mention. *Diploma.*

MISS EMMA MARWEDEL.--Kindergarten Work. *Diploma.*

MISS LILY RANSOME.--Kindergarten Work, by children of the Mission Free Kindergarten. *Diploma.*

CARL EISENSCHIMEL.--Pen Drawings; best general display. *Silver Medal.*

T. R. SOUTHERN.--Display of Specimens of Plain Penmanship and Lettering.

For Best General Display of Penmanship, *Silver Medal.*

For Best Pen Lettering and Engrossing, *Bronze Medal.*

For Best Card Writing, *Diploma.*

G. B. BARNARD.--Specimens of Penmanship and Lettering. *Diploma.*

MISS E. McMAHON.—Map Drawing. *Diploma.*

W. H. SMYTH.—Original Mechanical Drawing. *Diploma.*

S. A. OWEN.—Mechanical Drawing of a Compound Steam Engine. *Diploma.*

PUPILS OF MME. ZEITSKA'S INSTITUTE.—Free Hand-Drawing.—These specimens deserve special mention. *Diploma.*

E. McD. JOHNSTONE.—Engravings on Coal.—These engravings are original with Mr. Johnstone, and are both attractive and deserving of a high award. *Diploma.*

MRS. C. E. DANIELWITZ.—Water-color and Crayon Portraits. *Silver Medal.*

MISS C. E. USHER.—Portraits.
For Portrait in Ink, *Bronze Medal.*
For Crayon Portrait, *Bronze Medal.*

ADA A. BREWSTER.—Pencil Drawing. *Diploma.*

MRS. M. K. IRVING.—Crayon Portrait. *Diploma.*

CLASS 45.

Photography.

JURORS:

WILLIAM CURLETT.

B. A. PRINDLE.

The Premium List says: "for the best display of Photographs, style and finish, a gold medal." Under this head we find nothing, in our judgment, worthy of the award.

JULIUS JOSHUA KLINE, 12 years of age.—Photographs taken in the Pavilion. *Diploma.*

THE PACIFIC COAST AMATEUR PHOTO ASSOCIATION exhibited a large number of Instantaneous Photographs, particularly those of marine views, which are highly creditable for their artistic treatment and finish. *Silver Medal.*

NEW YORK GALLERY.—Display of Photographs. *Silver Medal.*

N. M. KLAIN.—His Photographic Landscapes, including buildings, are worthy of an award. *Silver Medal.*

RUNNELS & STATELER.—Out-door Photography. *Diploma.*

MISS LIZZIE SMITH.—Colored Photographs. *Diploma.*

CLASS 46.

Plants and Flowers.

The display of Flowers in the Horticultural Gardens was comprised of exhibits by Messrs. J. H. Sievers and E. Meyer, who filled the entire space in a most satisfactory manner. Mr. Sievers, for special excellence, was awarded a Gold Medal and \$150, and Mr. Meyer \$150.

The Floral Days were a new and marked feature in our Fair, and no doubt will hereafter have a place in the Programme and Premium List, which we print in this volume for future reference.

The thanks of the Board are due to the ladies who kindly consented to act as jurors.

Each exhibitor had a table, numbered, with nothing to designate the name, which was only made known after the awards were made.

FLORAL PROGRAMME.*First Floral Day, Thursday, Aug. 7th.*

Best 10 following named floral pieces, quality of flowers and excellence of workmanship to be considered:

1 Bride's Bouquet. 2 Bridesmaid's Bouquets. 1 Corsage Bouquet for Bride. 2 Corsage Bouquets for Bridesmaids. 1 Bouttonière. 2 Table Bouquets, 15-inch frame. 1 Lover's Knot, 20-inch frame.....	\$75 00
Second Best Ditto.....	60 00
Third Best Ditto... ..	40 00
Fourth Best Ditto.....	25 00

Second Floral Day, Wednesday, Aug. 13th.

Best 5 following floral designs, quality of flowers and excellence of workmanship to be considered:

Horse shoe, 18-inch frame. Flat Basket, square, 15-inch frame. Butterfly, 15-inch frame. Horn of Plenty 15-inch frame. Fan, 15-inch frame.....	\$75 00
Second Best Ditto.....	60 00
Third Best Ditto.....	40 00
Fourth Best Ditto.....	25 00

Third Floral Day, Wednesday, Aug. 20th.

Best 5 following emblems in flowers, quality of flowers and excellence of workmanship to be considered:

Flat Cross, 15-inch frame. Pillow, 18-inch frame. Broken Column, 18-inch frame. Anchor on slope, 18-inch frame. Star on slope, 18-inch frame.....	\$75 00
Second Best Ditto.....	60 00
Third Best Ditto.....	40 00
Fourth Best Ditto.....	40 00

Fourth Floral Day, Wednesday, Aug. 27th.

Dining Table for 12 persons most artistically decorated with flowers and ferns	\$75 00
Second Best Ditto.....	60 00
Third Best Ditto.....	40 00
Fourth Best Ditto.....	25 00

NOTE.—The China, Glassware and Cutlery to be used on the dining tables, will be kindly loaned by B. Nathan & Co., 130 Sutter Street.

Fifth Floral Day, Wednesday, Sept. 3d.

Best 5 new and original designs in cut flowers. Novelty of design, quality of flowers, and excellence of workmanship to be considered.....	\$75 00
Second Best Ditto.....	60 00
Third Best Ditto.....	40 00
Fourth Best Ditto.....	25 00

TO OWNERS OF PRIVATE GARDENS AND OBSERVATORIES.

In addition to above premiums the following prizes are offered to be competed for on Wednesday, August 20th, by amateurs and owners of private gardens and conservatories:

For the most beautiful design in Cut Flowers, quality of flowers and artistic excellence of work to be considered.....	Silver Medal and \$15 00
Second Best Ditto.....	Bronze Medal and 10 00
Third Best Ditto.....	Diploma and 5 00
Most beautiful Bouquet, quality of flowers and artistic arrangement to be considered.....	Silver Medal and \$15 00
Second Best Ditto.....	Bronze Medal and 10 00
Third Best Ditto.....	Diploma and 5 00

RULES AND REGULATIONS.

Five or more disinterested ladies will be selected to act as jurors for each floral day. Awards shall be based on merit alone, and there shall be absolutely no appeal from their decision except where an infringement of the Rules can be established.

On each of the Floral Days, exhibitors will be required to have their articles entered at the Secretary's office as being for competition, and must have them in position on the space assigned them by 2 o'clock P. M. No exhibitor will be permitted to remove his floral work until after the close of the Exhibition on the day following their respective displays, except by permission of the Committee on special Exhibits of the Board of Managers.

Following are the several reports:

FIRST FLORAL DAY.

The undersigned jurors, selected to award premiums on the First Floral Day, report as follows: There were seven tables, and we had great difficulty in making up our minds, as the exhibits were excellent, and those receiving no premium are deserving of recognition by the Managers.

Table No. 1..	J. H. Garden.....	Second Best, \$60 00
" "	2..A. Duhem.....	
" "	3..Emil Meyer	Third Best, 40 00
" "	4..J. Pouyal.....	Fourth Best, 25 00
" "	5..J. H. Sievers.....	
" "	6..Wm. Meyer & Co.....	Best, 75 00
" "	7..Leopold Bros.....	

MINNIE ORTIZ,
ANNIE KANE,
LIZZIE THEOBALD,

JULIA G. ORTIZ,
CLARA P. HULL.

SECOND FLORAL DAY.

The undersigned jurors, elected to award the premiums on the Second Floral Day, find and recommend the following:

Table No. 1..	A. Duhem.....	
" "	2..J. H. Garden.....	Favorable Mention.
" "	3..Leopold Bros.....	Second Best, \$60 00
" "	4..Wm. Meyer & Co.....	Best, 75 00
" "	5..Mrs. Nelson.....	
" "	6..E. Meyer.....	
" "	7..J. Pouyal.....	Fourth Best, 25 00
" "	8..Geo. B. Jones.....	
" "	9..J. H. Sievers.....	Third Best, 40 00
" "	10..Frank Schlotzhauer.....	Favorable Mention.

MRS. E. J. LAWLESS,
MRS. A. W. ELLIOT,
MRS. ALEX. WARNER,

MRS. F. W. EATON,
MRS. A. E. DU BOIS,

THIRD FLORAL DAY.

We, the undersigned jurors on the Third Floral Day, do recommend awards as follows:

Table No. 1..	J. H. Garden.....	
" "	2..Wm. Meyer & Co.....	Second Best, \$60 00
" "	3..J. H. Sievers.....	Best, 75 00
" "	4..E. Meyer.....	
" "	5..W. H. Collie.....	
" "	6..J. Pouyal.....	Third Best, 40 00
" "	7..Leopold Bros.....	Fourth Best, 25 00
" "	8..J. B. Jones.....	

AMATEUR EXHIBITORS.

Designs.

Design No. 1..	Basket.....	Mrs. J. Darling
" "	2..Basket.....	Mrs. J. Maxwell
" "	3..Wheelbarrow.....	Miss Amelia Stoneman
" "	4..Chair.....	Miss Estelle Lynch

Design No. 5..Easel on Picture Frame.....	Miss Sadie Baum, Third Best, Diploma and \$5
“ “ 6..Cross.....	Miss Nellie Bauer
“ “ 7..House.....	Mrs. C. B. Brigham, Best, Silver Medal and \$15
“ “ 8..Balloon.....	Mrs. W. H. Ware, Second Best, Bronze Medal and \$10

Bouquets.

Bouquet No. 1..Marie Seitz....	Second Best, Bronze Medal and \$10
“ “ 2..Katie Ida Clark.....	
“ “ 3..Lily K. Piper.....	
“ “ 4..Rosamond and Geraldine Coursen.....	Best, Silver Medal and \$15
“ “ 5..Mrs. J. Darling.....	Third Best, Diploma and \$5
“ “ 6..Mrs. W. H. Ware.....	

MRS. M. CHEEVER,
MRS. R. G. SAWYER,
MISS MINNIE KOHLER,
MISS R. P. BIRDSALL,
MRS. T. K. NOBLE,

MRS. HORACE WILSON,
MRS. J. W. BURNHAM,
MISS TONY PESTNER,
MRS. H. CARLTON, JR.
MRS. J. WINTERBURN.

FOURTH FLORAL DAY.

The undersigned jurors on Floral Exhibit would report as follows:

Table No. 1..J. Pouyal.....	Fifth Best, \$20 00
“ “ 2..A. Duhem.....	Fourth Best, 25 00
“ “ 3..J. H. Sievers.....	Best, 75 00
“ “ 4..Geraldine Coursen.....	
“ “ 5..Mesdames Cornwall & Wilson.....	
“ “ 6..Wm. Meyer & Co.....	Second Best, 60 00
“ “ 7..Leopold Bros.....	Third Best, 40 00

We desire to call especial attention to the beautiful arrangement of the flowers on tables No. 4 and 5 by lady amateurs, which were not in competition, particularly the artistic arrangement of table No. 5. The Committee's vote for Second Prize was unanimous. Through the courtesy of Mrs. Sol. Runyon, tables No. 8 and 9 were liberally supplied with fruit. Table No. 5 was dressed by Mrs. P. B. Cornwall and Mrs. Horace Wilson. Table No. 4 was dressed by Miss Geraldine Coursen. Respectfully submitted.

MRS. J. E. COTTER,
MISS L. S. ROETHE,
MRS. G. W. HOOPER,
MISS A. G. JEWELL,
MISS M. E. PADDOCK,
MISS EVA McCORMICK.

MRS. HENRY WILLIAMS,
MRS. S. CRIM,
MRS. A. HARLOE,
MRS. J. F. MERRILL,
MRS. F. D. STADTMUELLER,

FIFTH FLORAL DAY.

The undersigned, Floral Jurors for Wednesday, September 3, award the prizes as follows:

Table No. 1..	Leopold Bros	Second Best, \$60 00
" "	2..J. H. Sievers.....	Best, 75 00
" "	3..J. Pouyal.....	Fifth Best, 20 00
" "	4..A. Duhem.....	
" "	5..J. H. Garden.....	Third Best, 40 00
" "	6..Wm. Meyer & Co.....	Fourth Best, 25 00

Mrs. Wm. Blair of Piedmont Nursery, Oakland, exhibited a beautiful floral globe, and Alvira L. Cook a bee-hive. Respectfully submitted.

MRS. N. G. BACKUS,
MRS. J. G. JAMES,
MRS. J. B. PECK,
MRS. G. H. MORRISON,
MISS JESSIE NEWLANDS,
MRS. D. McLENNON,
MISS LAURA GOLDSMITH,
MRS. S. W. SHARON,
MRS. F. W. SUMNER,

MRS. M. T. HATCH,
MISS H. S. BACON,
MRS. S. A. McLAUFLIN,
MRS. A. H. DOMETT,
MISS MARIE SEITZ,
MRS. F. K. OSBORN,
MISS M. M. TRICON,
MISS SADIE BAUM,
MRS. G. G. BURNETT.

CLASS 47.

Fruit.

JURORS:

E. J. WICKSON,

AMOS ADAMS.

J. C. WHIPPLE,

GENTLEMEN: Your Committee in Class 47 respectfully report as follows: We are disappointed that the display, in competition for the awards offered, were not more comprehensive. The exhibits made were creditable to the growers, and some fine specimens of several varieties were shown. We would respectfully recommend the following awards:

SOL RUNYON, of Courtland, Sacramento Co.—Best General Display of Fruit. *Silver Medal.*

G. W. HINCLAY, of Winters.—Second best General Display of Fruit. *Bronze Medal.*

IRA F. WHITE, of Penryn.—Seedling Peaches. *Diploma.*

STILES McLAUGHLIN, Leemore.—Fox Cling Peaches. *Diploma.*

M. A. WALTON, Brentwood.—9 Peaches, weighing 7 lbs. *Diploma.*

M. VULICEVICH.—Native and Imported Fruit. *Diploma.*

IRA DAVENPORT, Sacramento.—Native Fruit. *Diploma.*

L. LAZARUS, Napa.—Peaches. *Diploma.*

JAMES COLLINS, Courtland, Sacramento Co.—Samples of Fruit. *Diploma.*

IMMIGRATION ASSOCIATION OF CALIFORNIA.—Display of Fruit and Natural Products. *Diploma.*

CLASSIFIED LIST

--OF--

PREMIUMS AWARDED.

GOLD MEDALS.

Class.	Name of Exhibitor.	Article.
1.	Ohmen & Simmons.....	Best Automatic Cut-off Steam Engine, (California make.)
3.	San Francisco Tool Company....	Best general display of Iron-working Tools and Machinery.
4.	Pacific Saw Manufacturing Co.....	Best Display of Saws
4.	H. P. Gregory & Co.....	Best general Display of Wood-working Machinery, (California manufacture.)
5.	Royal Mustard Mills.....	Display of Mustard Machinery in operation
11.	Hawley Bros. Hardware Co.....	Best general Display of Agricultural Machinery.
12.	California Iron & Steel Co.....	Pig Iron, Charcoal Blooms, Bar Iron and Steel.
12.	Judson Manufacturing Co.....	Cast Hardware, Files, Horseshoe Nails, Tacks, Cut Nails, etc.
12.	California Wire Works.....	California-made Wire Rope
15.	Hall's Safe & Lock Co.....	Best Display of Fire and Burglar Proof Safes.
16.	Will & Finck.....	Best Display of Cutlery
17.	San Francisco and Pacific Glass Works....	General Display of California- made Glass-ware.
18.	Weed & Kingwell.....	Best Display and Assortment of Brass Goods
18.	Emile Boesch.....	Headlights and Car Reflector Lamps
19.	John Mallon.....	Best Display of Glass for Architectural Work
19.	S. & G. Gump.....	Display of Mirror and Picture Frames, Mantels, Engravings and Art Work.

Class.	Name of Exhibitor.	Article.
20.	Joseph Mayer...	Best Pipe Organ
20.	T. M. Antisell & Co....	Best Display of Organs and Pianos (California Manufacture.)
21.	A. Folsom & Son..	Best General Display of Carriages (California make)
21.	David Kerr.....	Best Two, or Four-horse Truck
21.	Charles W. Stein.....	Best Display of Carriage Materials
22.	Indianapolis Chair Manufacturing Co..	Best General Display of Furniture
25.	Main and Winchester....	Best General Display of Harness and Saddlery
26.	H. Liebes & Co.....	Best Display of Furs and their Manufacture
27.	San Francisco Pioneer Woolen Factory..	Best General Display of Woolen Goods (Home Manufacture.)
27.	Carlson & Currier....	Display of Belding Bros. & Co.'s Spool Silks, etc., made in California.
34.	Arpad Haraszthy & Co..	Finest General Display of Wines and Brandies
38.	John Roach.....	Mathematical Instruments
38.	California Electric Light Co. "Baush System,"	Display of Electric Light
38.	Pacific Thompson-Houston Electric Light and Power Co....	Display of Electric Light.
43.	B. Nathan & Co.....	Best General Display of Art Work
46.	John H. Sievers.....	Excellence and fine Display of Plants and Flowers

SILVER MEDALS.

1. Joshua Hendy Machine Works.. Engine with Plain Slide-valve, in motion
1. Geo. Bull & Co..... Best Portable Engine on Wheels, for general use
1. Hawley Bros. Hardware Co..... Rice's Straw-burning Engine
1. Joshua Hendy Machine Works..... Best Vertical Engine and Boiler, in motion.
1. Thompson & Evans..... Upright Yacht Engine, in motion
1. H. P. Gregory & Co..... Best Gas Engine, "Otto Silent"
1. Risdon Iron and Locomotive Works..... Steam Boiler, Heine's Patent (California Make.)
2. Goss & Dow..... Best Direct-acting Deep Well Pump
2. W. T. Garratt..... Hydraulic Pump, general superiority and excellent workmanship.
2. W. T. Garratt..... Best Horizontal Plunger Pump
2. Thompson & Evans..... Best Direct-acting Fly-wheel Pump
2. Thompson & Evans..... Direct Double-acting Deep Well Pump
2. P. P. Mast & Co..... Best Display of Hand and Windmill Pumps
2. Chas. P. McCarthy..... Tuerk Water Motor
2. San Francisco Tool Company..... Compound Turbine Mining and Centrifugal Pump.

Class.	Name of Exhibitor.	Article.
2.	H. R. Atwood.....	Wine Pump, "The Deluge"
2.	J. M. Wiles.....	Combined Rotary Pump and Horse Power
3.	San Francisco Tool Company....	Best Engine Lathe, (California Make)
3.	San Francisco Tool Company.....	Best Power Drilling Machine
3.	California Bellows Company.....	Best Hand Bellows (California Make)
3.	California Bellows Company.....	Best Tuyere Iron
3.	W. T. Garratt.....	Best Fan Blower, "Anderton Patent"
3.	Geo. Cumming & Co.....	Best Portable Forge
4.	P. McG. Chisholm.....	Best Portable Sawmill
4.	H. P. Gregory & Co.....	Best General Display of Imported Wood-working Machinery.
4.	H. P. Gregory & Co....	Best Surfacers and Matching Machine, in motion
4.	H. P. Gregory & Co.....	Best Shingle Machine
4.	N. W. Spaulding.....	Inserted Tooth and Chisel Bit Circular Saws
4.	Wm. Banks.....	Wood-Turning Lathe
5.	W. A. Bell.....	Display of Models and Patented Articles
5.	San Francisco Chronicle..	Best Display of Stereotype Plates and Matrices
5.	Gellett Ice Machine Co.....	Portable Ice Machine
5.	Daily Examiner Publishing Co...	Display of Stereotype Plates, Matrices and Paper.
5.	J. M. Thoms	Exhibit of the "Lamson Cash Railway"
5.	H. H. Bodwell.....	Excelsior Self-regulating Windmill
5.	Henry M. Taaffe	Automatic Safety Guard for Railway Cars
6.	E. A. Rix & Co.....	Pacific Rock Drill
6.	E. A. Rix & Co.....	National Duplex Air Compressor
6.	F. A. Hill	Ore Mill
6.	Goss & Dow.....	Vertical Mining Pump
6.	E. G. Denniston.....	Amalgamated Mining Plates
6.	L. Radovich.....	Adjustable Rock Breaker
6.	L. Radovich.....	Horseshoe Pan Concentrator
8.	Edward Nunan.....	Lightning Hose Coupling
10.	John C. Mooney.....	Bag Sewing Machine
10.	California Silk Culture Development Co.....	Display of Silk Reeling
10.	Samuel Hill Estate....	Best Exhibit of Manufacturing Sewing Machines
10.	Samuel Hill Estate.....	Best Family Sewing Machine
10.	Samuel Hill Estate	Best Button-hole Machine
11.	Baker & Hamilton.....	Best Display of Agricultural Implements
11.	Hawley Bros. Hardware Co....	Best Reaper and Mower with Self-Rake, "The Adriance."
11.	Hawley Bros. Hardware Co..	Best Thresher and Separator "Gold Medal"
11.	H. W. Rice.....	Best Potato Digger
11.	F. A. Hill.....	Best Gang Plow, "Pacific Coast Make," "Hill's New Model."
11.	H. W. Rice.....	Best Portable Hay Press
11.	G. G. Wickson & Co....	Centrifugal Cream Separator, in operation
11.	Ira Bishop.....	Sack Elevator

Class.	Name of Exhibitor.	Article.
11.	Baker & Hamilton	Barley Crusher
11.	Henry Tyack	Best Wine Press
12.	California Wire Works	Display of Wire Goods
12.	Burton & Hoyt	Bolts, Nuts, Screws, etc.
13.	Curtis & Condry	Vapor Stoves
13.	C. D. Harvey	Hot Water Heating Apparatus
13.	United Gas Improvement Co.	Gas Cooking and Heating Apparatus
13.	Albrecht & Waters	Sunset Cooking Stove (California Make)
13.	J. D. Bodwell	Perfection Fuel, and Burning Apparatus
13.	Taylor Goodrich	Best Display of Stoves and Ranges
14.	Osborne & Alexander	Display of Hardware and Mechanics' Tools
14.	J. S. Benn	Artificial Flies (California Make)
14.	Liddle & Kaeding	Best Firearm (California Make)
14.	E. T. Allen	Fine Display of Firearms and Fishing Tackle
15.	W. B. Wilshire & Co.	Best Fire-proof Safe
15.	Hall's Safe & Lock Co.	Best Burglar-proof Lock, not attached
15.	W. B. Wilshire & Co.	Best Burglar-proof Safe
15.	Periam & Smith	Best Assortment of Locks (California Make)
16.	Will & Finck	Best Carving Set (California Make)
16.	Pacific Saw Manufacturing Co.	Best Planing and Currier Knives (California Make)
16.	Frank A. Davis	Best Cutting Dies (California Make)
17.	W. W. Montague & Co.	Best General Display of Mantels
17.	Taylor Goodrich	Display of Art Castings
17.	W. W. Montague & Co.	Marbleized Iron Mantels
17.	S. P. Kimball & Co.	Display of California Puzzolani Cement
17.	Granolithic Paving Co.	Artificial Stone Steps and Paving
17.	San Francisco & Pacific Glass Works	Druggists' Glassware
17.	J. Browell	Patent Chimneys, Terra Cotta Chimney Tops and Flue Linings.
17.	California Artificial Stone Paving Co.	Artificial Stone Pavement
18.	Weed & Kingwell	Best Display of Bells
18.	Grimm & Nolan	Gas Fixtures (California Make)
18.	Weed & Kingwell	Brass and Composition Castings
18.	A. S. Graff & Co.	Coal Oil Lamps and Diamond Burners
18.	J. T. Titus	Best Sewer Trap
19.	S. & G. Gump	Onyx Pedestals
19.	John Mallon	Cut and Embossed Glass
19.	Fay & Co.	Polished Redwood in Imitation of other Woods
20.	O. H. Goodwin	Musical Key Indicator
20.	Kohler & Chase	Best General Display of Musical Instruments, (Imported.)
20.	Charles Morrell	Best Banjos (California Make)
20.	Zeno Mauvais	Best Display of Pianos and Organs, (Imported)
20.	Kohler & Chase	Best Brass Wind Instruments (Missenharther's)
21.	A. Folsom & Son	Best Coupé

Class.	Name of Exhibitor.	Article.
21.	M. J. McCue.....	Best Hack
21.	A. Folsom & Son.....	Best Open Rockaway
21.	W. E. Shaw.....	Best Village Cart
21.	M. J. McCue.....	Best Top Rockaway
21.	W. E. Shaw.....	Best Open Buggy
21.	M. J. McCue.....	Best Top Buggy
21.	Studebaker Bros. Manufacturing Co	Best Display of Imported Carriages.
21.	Carville Manufacturing Co.....	Best Buggy Top Phaeton
21.	E. Soulé.....	Best Dump Cart
21.	J. A. Bilz.....	Best Display of Two-wheeled Carts
21.	Hawley Bros. Hardware Co.....	Best Farm Wagon (Eastern Make)
21.	Baker & Hamilton.....	Best 4-Spring 2-Seat Wagon (California Make)
21.	David Kerr.....	Ambulance for Dumb Animals
22.	Heywood Bros. & Co.....	Best Display of Rattan Goods
22.	B. F. Farrar.....	Best Display of Bedroom Sets
22.	Pacific Spring & Mattress Co.....	Best Sofa Beds
22.	Pacific Spring & Mattress Co...	Best Parlor Furniture (California Make)
23.	P. Liesenfeld.....	Best Display of Billiard Tables
23.	P. Liesenfeld.....	Best Billiard Table (California Make)
24.	Coos Bay Stave & Lumber Co.....	Best Display of Woodenware
24.	Coos Bay Stave & Lumber Co.....	Best Display of Cooperage
24.	Buchanan Bros.....	Display of California-made Brushes
25.	P. F. McNulty.....	Best Display of Boots and Shoes (California Make)
25.	Main & Winchester.....	Best Set of Carriage Harness
26.	California Jute Mill Co.....	Display of Jute and Jute Manufactures
26.	Wm. Sonderup.....	Display of Skin Clothing (California Make)
27.	San Francisco Pioneer Woolen Factory.....	All-wool Cassimeres and Blankets.
27.	California Silk Culture Development Co....	Display of California Manufactured Silks.
27.	J. Spaulding & Co.....	Best Process and Compound for Cleaning and Renovating Carpets.
28.	Joe Poheim.....	Best Dress and Business Suits for Gentlemen
28.	Charles Sutton, Jr.....	Oiled Clothing
29.	M. H. Ober & Co.....	Best Corsets (California Make)
29.	Mrs. K. M. Stewart.....	Best Display of Ladies' Bonnets and Hats
29.	Miss Minnie James.....	Best Ladies' Dress Suits, "Style and Finish"
29.	A. J. Balny.....	Ostrich Plumes, Plain and Colored
30.	Quigley & Son.....	Best Granulated Smoking Tobacco
30.	The Friend-Erskine Cigar Co....	Best Cigars (California Manufacture)
31.	Henry Lake.....	Best Shoe Blacking (California Make)
31.	Russia Cement Co.....	Best Quality and Display of Liquid Fish Glue
31.	Western Perfumery Co.....	Best Display of Perfumery (California Manufacture)
31.	Bothin Manufacturing Co.....	Best Baking Powder, "Giant"

Class.	Name of Exhibitor.	Article.
32.	Thomas Morton.....	Display of Pacific Coast Coals
32.	California Silk Culture Development Co.....	Cocoons and Raw Silk
32.	Woodward's Gardens....	Collection of Stuffed Birds and Mammal Skins
32.	Thomas Hatch	Collection of Pacific Coast Woods
32.	Continental Oil & Transportation Co.....	Best Display of Crude and Refined Petroleum of California
33.	George Haas.....	Best General Display of Confectionery
33.	Mrs. Sol. Runyon.....	Best Collection of Home-made Jams, Jellies and Preserves.
33.	Mrs. L. H. Moise.....	Best Display of Preserved Fruit, in glass, (Home-made)
33.	Wheeler Packing Co..	Display of Canned Fruits and Vegetables, in glass
34.	Arpad Haraszthy & Co..	Best Champagne (California Make) "Eclipse"
34.	G. M. Jarvis.....	Excellent Display of Wines and Brändies (California Make)
35.	Burnell & Turner	Albion Ale and Porter
35.	Wm. Goeppert & Son.....	Bavaria and Felsen Beer
37.	E. G. Denniston.....	Silver-plated Goods
38.	California Electrical Works.....	Best Display of Telegraphic and Electrical Apparatus.
38.	Electrical Supply Co.....	Brooks' Faradic Current Distributor
38.	Baxter Overland Telephone Co.....	Best Telephone and Transmitter
38.	Sperry Electric Light Co.....	Best Display of Arc and Incandescent Electric Light on same circuit.
38.	John Roach.....	Plummet Lamp
38.	W. B. Wilshire & Co.....	Best Display of Scales. Made by "Buffalo Scale Co."
38.	Davis & Look.....	Best Incubator and Brooder, "Golden Gate"
38.	United Gas Improvement Co..	Siemen's Patent Regenerative Gas Lamp
39.	Mrs. C. W. Stevens.....	Adjustable Shoulder Brace and Suspender
39.	Wm. Beeman.....	Best Artificial Limbs (California Make)
40.	Miss Maggie Butte.....	Hand-made Point-lace, (Finest Display)
40.	Mrs. P. J. Kramer.....	Best Display of Embroidery
42.	Mrs. Helen Brodt.....	Best Collection of Ceramic Art
42.	Mrs. Theresa Corlett.....	Best Collection of Barbotine and Florentine Pottery.
44.	T. R. Southern.....	Best General Display of Penmanship
44.	Carl Eisenschimel.....	Best General Display of Pen Drawing
44.	Mrs. C. E. Danielwitz.....	Best Display of Water-color and Crayon Portraits.
45.	N. M. Klain.....	Landscape Photography, including Buildings
45.	Pacific Coast Amateur Photographic Association.....	Instantaneous Photographs.
45.	New York Gallery.....	Display of Photographs
46.	Misses Rose and Geraldine Coursen	Best Floral Bouquet, (By Amateurs.)

Class.	Name of Exhibitor.	Article.
46.	Mrs. Charles B. Brigham.....	Best Floral Design, (By an Amateur)
47.	Sol. Runyon.....	Best Continuous Display of Fruit

BRONZE MEDALS.

1. H. W. Rice.....Best Steam Engine Governor
1. W. T. Garratt.....Best Boiler Feed Injector
1. Garcelon & Wood.....Rotary Steam Engine
2. Joshua Hendy Machine Works.....Wilbraham Rotary Piston Pump
2. Cavanaugh & Fredericks.....New Era, Duplex Steam Pump
3. San Francisco Tool Company.....Best Shaper for Metal Work
3. C. F. Marwedel.....Best Display of Machinists' Tools
4. H. P. Gregory & Co.....Best Band Sawing Machine
4. H. P. Gregory & Co.....Best Circular Saw and Table
4. Osborn & Alexander.....Display of Foot Power Machinery
5. H. W. Rice.....Lifting Jack
5. F. O. Landgrane.....Change Gate for Street Cars
5. Hawley Bros Hardware Co.....Perkins Patent Windmill
5. P. P. Mast & Co.....Turbine Windmill
5. E. W. Tiffit.....Decorative Designs
5. H. J. Esdor.....Display of Sample Goods of General Manufacture
6. Joshua Hendy Machine Works.....Challenge Ore Feeder
6. Joshua Hendy Machine Works.....Improved Hydraulic Nozzle
7. E. W. Melvin.....New Becker Washing Machine
9. C. T. Peters.....Model of Ship "Excelsior"
10. Dukeman and Austin.....Shoemakers' Sewing Needle
11. Hawley Bros Hardware Co.....Best Corn Sheller, "Farmers' Friend"
11. Baker & Hamilton.....Best Power Churn, "The Boss"
11. Baker & Hamilton.....Best Harrow (California Make)
11. P. P. Mast & Co.....Best Sulky Hay Rake, "Buckeye"
11. Baker & Hamilton.....Improved Header, "Benicia"
11. G. G. Wickson & Co.....Best Hay and Straw-cutter, "Ross Cutters"
11. P. P. Mast & Co.....Best Riding Cultivator, "Buckeye"
12. California Iron & Steel Co.....Malleable Iron and Steel Castings
12. Calvin Nutting & Son.....Iron Wheelbarrows
12. A. E. Kittredge.....Ornamental Iron Work, Fencing and Castings
12. Risdon Iron and Locomotive Works.....Macbeth's Wrought Iron Rim Pulleys.
12. Clott & Meese.....Wrought Iron Rim Pulleys
12. Lock Spring Mattress Co.....Best Mattress Spring
13. C. A. Cushing.....Gas Stoves and Water Heaters
13. J. F. Myers.....Adams & Westlake's Monarch Oil and Gas Stoves

Class.	Name of Exhibitor.	Article.
13.	Chas. Brown & Son.....	Display of Kitchen Utensils
14.	Liddle & Kaeding.....	Best Display of Fishing Tackle
17.	W. W. Montague & Co.....	Best Fire Grates
17.	San Francisco & Pacific Glass Works... ..	Self-sealing Fruit Jars
18.	Weed & Kingwell.....	Steam Water and Gas Fittings
18.	Fred. Jantzen.....	New Chicago Coal Oil Lamps
18.	Weed & Kingwell.....	Best Display of Plumbers' Goods
19.	Boller Furniture Manufacturing Co.....	Square and Octagon Balusters
19.	C. F. Schiller.....	Plaster Center Pieces
19.	A. I. Sanborn.....	Newell Posts
20.	Robert Fay & Co.....	General Display of California-made Pianos
20.	G. F. Wells.....	Orchestrone
21.	Osborn & Alexander.....	Best Bicycle
21.	R. Killey.....	Best Buckboard
21.	Osborn & Alexander.....	Best Tricycle
22.	Geo. W. Clark & Co.....	Best Display of Wall Paper
22.	Keystone Wringer Co.....	Spring Beds
22.	Geo. W. Clark & Co.....	Best Display of Window Shades and Fixtures
22.	Fay & Co.....	Wardrobe Beds
22.	John Callihan.....	Drop Roller for Window Shades
22.	B. F. Farrar.....	Best Spring Mattress
22.	Truman S. Clark & Son.....	Best Metal Spring Bed Bottom
22.	Truman S. Clark & Son.....	Best Iron Bedsteads
22.	E. H. Marwedel.....	Brass Bedsteads, Curtain Poles and Stair Rods
22.	H. H. Gross	Burr Folding Beds
23.	P. Liesenfeld.....	Best Billiard Table Cushions
24.	Magazine Brush Manufacturing Co.....	Magazine Stove Brush
25.	P. F. Mc Nulty.....	Best Men's Boots, Hand-made
25.	Main & Winchester.....	Best Riding Saddle
25.	P. F. McNulty.....	Best Ladies' and Misses' Hand-made Shoes
25.	W. T. Y. Schenck.....	Best Cotton and Linen Hose
26.	H. Liebes & Co.....	Display of Carriage Robes
26.	T. S. Clark & Son.....	Dressed Goat Skins
27.	San Francisco Pioneer Woolen Factory....	Best Flannel and Underwear (California Make)
28.	J. H. Kruger.....	Display of Canes
29.	Kraker & Israel.....	Machine-made Embroidery
29.	Mrs. P. F. Butler.....	Millinery Goods
29.	Kelly Bros.....	Display of Corsets
29.	Samuel Hill Estate..	Best work done in Pavilion on any Sewing Machine (The Davis) during the Exhibition.
30.	Baumgartner & Bohls.....	Gold Bar Cigarettes
31.	G. G. Wickson & Co.....	Imperial Egg Food
31.	Continental Oil and Transportation Co.....	Samples of Lubricating Oil
33.	P. Wulff.....	Mustard Pickles and Sauce
36.	W. S. Moore (Golden State Press Association).....	Display of Amateur Books and Newspapers.

Class.	Name of Exhibitor.	Article.
37.	Ichi Ban.....	Japanese Goods
38.	California Electrical Works....	Best Automatic Fire Alarm Apparatus
38.	California Electrical Works.....	Best Electric Hotel Annunciator
38.	Electrical Supply Co.....	Best Telegraphic Set, Key and Sounder
38.	California Electrical Works.....	Best Burglar Alarm
38.	C. Richard Knapp.....	Vacuum Press Percolator
39.	B. Galland.....	Folding Cabinet Steam Bath
40.	Mrs. A. Baker.....	Display of Wax-work
40.	Mrs. J. E. Cotter.....	Preserved Natural Flowers
40.	Miss A. M. Favor.....	Fine Needle-work
40.	J. M. Litchfield & Co.....	Gold and Silver Embroidery
40.	Chas. Peake & Co.....	Turkish Rugs
40.	Miss A. R. Vrooman.....	Silk Tapestry
42.	Mrs. E. C. Hatch.....	Water Color Painting on Satin
42.	Mrs. C. H. Morgan.....	Painted Panel Screen
42.	Miss Eva McCormick.....	Best Collection of Lustre Painting
42.	Mrs. Helen Brodt....	Best Single Specimen of Painting on Porcelain
42.	Miss A. Carter.....	Best Hand-painted Fire Screen
42.	Mrs. F. A. Fish... Best Collection of Decorative Art other than Ceramic	
42.	Mrs. T. Sturgis.....	Best Painted Mirror
42.	Mrs. F. A. Fish.....	Best Single Specimen of Painting on Pottery
42.	Mrs. Sarah S. Weston.....	Decorated Porcelain
42.	Miss Eva Josephi.....	Barbotine Vases
42.	Miss Susie R. Sroufe.....	Best Barbotine Work
42.	C. Flammer.....	Enameled Pictures on Glass
43.	G. F. Sala.....	Marble Statuary
43.	Fred. Heckman.....	Ivory and Wood Carving
43.	E. L. Gifford.....	Best Repoussé Work
44.	T. R. Southern.....	Best Pen Lettering and Engrossing
44.	Miss C. E. Usher.....	Portrait in Ink
44.	Miss C. E. Usher.....	Crayon Portrait of Bishop Kip
46.	Mrs. W. H. Ware.....	Floral Design, "Balloon"
46.	Miss Marie Seitz.....	Floral Bouquet
47.	G. W. Hinclay.....	Display of Fruit

DIPLOMAS.

1. Downie Boiler Incrustation Preventative Co.....Scale Preventative
1. H. Slocomb & Co.....Improved Dibble Lubricator
1. Tucker & Saulsbury.....Sight Feed Lubricator
1. W. T. Garratt.....Sight Drop-feed Lubricator
1. John Mailer.....Improved Furnace Door Lining and Grate Bars

Class.	Name of Exhibitor.	Article.
3.	Clott & Meese.....	Best Shaft Coupling
4.	H. P. Gregory.....	Tenoning Machine, Sand-paperying Machine, and Mortising Machine.
5.	Adam Good.....	Patent Barrel Bung and Extractor
5.	B. E. Carman.....	Cable Grip for Turning Curves
5.	D. S. Ciphers.....	Machine for Making Pop-corn Balls
5.	J. J. Cousin.....	Candy Twisting Machine
5.	Gillespie & Childs.....	Hall Type-writer
5.	A. Schurch.....	Milling Machine and Mining and Dental Drill
5.	Wales Manufacturing Co.....	Car-fare Box and Change Gate
5.	C. W. Wescott.....	Window-Sash Steadier
5.	G. G. Wickson & Co.....	Remington Type-writer
5.	G. G. Wickson & Co.....	Pneumatic Copying Press
5.	Jenne Manufacturing Co.....	Interest Indicators
6.	George Johnson.....	Quicksilver Feeder
10.	M. School	Fire Escape
10.	O. Hansen.....	Permanent Fire Escape
10.	Chas. F. Shore.....	Portable Fire Escape
10.	H. H. Gross.....	Display of Harden Hand-Grenade
11.	J. A. Bilz.....	Vineyard Plow
11.	G. G. Wickson & Co.....	Display of Dairy Implements
11.	J. A. Bilz.....	Whiffletree for Vineyards and Orchards
11.	Wm. Knapp.....	Side Hill Vineyard Plow
11.	D. C. Kingsbury.....	Automatic Self-acting Gate
11.	G. G. Wickson & Co.....	Best Hand Churn, "Stoddard Churn"
11.	August David.....	Grape Stemmer and Crusher
11.	P. P. Mast & Co.....	Wine or Cider Press and Crusher Combined
11.	Geo. Bull & Co.....	Best Hand Corn Planter
11.	A. C. Swingle.....	Hand or Power Pea-sheller
11.	Geo. Bull & Co.....	Best Fanning Mill
11.	F. Molini	Hand Pea-Sheller
11.	Hawley Bros Hardware Co.....	Best Corn Planter, "Keystone"
11.	Geo. Bull & Co.....	Best Sulky Plow, "J. I. Case"
11.	Ira B. Kilgore.....	Best Side Hill Plow
11.	Baker & Hamilton.....	Best Plow for general use, "Moline"
11.	P. P. Mast & Co.....	Best Seed Drill "Buckeye Shoe Drill"
11.	Judson Manufacturing Co.....	Best Mower, "Victor"
11.	Geo. Bull & Co.....	Best Broad-cast Seeder, "Lansing"
11.	P. P. Mast & Co.....	Best Walking Cultivator, "Buckeye"
11.	Baker & Hamilton.....	Best Lawn Mower, "Easy Lawn Mower"
13.	Wiester & Co	Howse's Patent Oil Stove (California Manufacture)
13.	S. B. Laughlin & Co.....	Royal Baking Pans
13.	L. H. Moise.....	Patent Fruit Steamer for Preserving Fruit in Glass
14.	Mrs. F. M. Trueworthy.....	Best Stencil Plates
14.	L. H. Moise.....	Changeable Rubber Type
17.	Charles Sutton.....	Artificial Stone, Stamped

Class.	Name of Exhibitor.	Article.
17.	P. H. Jackson & Co.....	Glass Pavement
17.	B. Nathan & Co.....	Display of Glass Engraving
17.	San Francisco and Pacific Glass Works....	Engraved California-made Glassware.
17.	International Tile Co.....	Display of Tiles
18.	W. J. Derrickson.....	Automatic Lamp Bracket
18.	M. Metzger.....	Patent Gas Lighter
18.	D. S. Brown & Co.....	Duplex Gas Burner
18.	B. F. Bush.....	Automatic Gas Burners
18.	Emile Boesch.....	Specimens of Metal Spinning
18.	C. H. & G. W. Burr.....	Best Slop Hopper
18.	George C. Thompson.....	Soda Fountains
18.	Albrecht & Waters.....	Steel Edge Dust Pan
18.	C. N. Johnson.....	Champion Stove Pipe Shelf and Support
18.	Albrecht & Waters.....	McMasters' Shelf Support, Box Strap and Corner Iron.
18.	Dutton & Son.....	Patent Gas Key for Gas Burners
18.	J. S. Tibballs.....	Sewer Trap
18.	Alfred Thurbur.....	Automatic Lamp Bracket
19.	C. W. Weston.....	Patent Arch Fire Kindler
19.	James Hatch.....	Shaper Work and Sawing
19.	T. Duffy.....	Gas Logs and Rustic Ornaments
19.	C. H. & G. W. Burr.....	Weather Strips
19.	J. W. E. Howe.....	Table-tops Painted in imitation of Inlaid Wood and Marble.
19.	Geo. P. Ashton.....	Portable Conservatory
19.	Louis L. Hall.....	Specimens Fret Sawing
19.	Harriet W. R. Strong....	Bedford Window Attachment, for Raising and Lowering Windows.
19.	Geo. F. Atkinson.....	Articles Turned from California Woods
19.	Atwell Manufacturing Co.....	Sash Lock and Ventilator
21.	F. C. Milliken.....	Best Dump Wagon
21.	R. N. Caughell.....	Spoke Extractor
21.	M. J. McCue.....	Best Display of Carriage Blacksmithing
21.	Waterhouse & Lester.....	Unfinished Wagon Wheel
21.	A. W. Sanborn.....	Display of Imported Wagon Work
21.	J. McLaughlin.....	Thill Coupling
22.	F. Rentschler.....	Carpet Rockers
22.	C. H. Townsend.....	Imported Kitchen Tables
22.	Fay & Co.....	Extension Tables
22.	Otto Emhoff.....	Inlaid Secretary
22.	Pacific Spring & Mattress Co.....	Turkish Chairs
22.	Truman S. Clark & Son.....	Wire-coiling Machine
22.	Truman S. Clark & Son.....	Carpet Lining, Stair and Mattress Pads
22.	Mrs. Carrie Morse.....	Double Crib
23.	P. Liesenfeld.....	Best Billiard Balls, Cues and Racks

Class.	Name of Exhibitor.	Article.
24.	Coos Bay Stave & Lumber Co.....	Beer Coolers, Ice Chests and Refrigerators.
24.	Keystone Wringer Co.....	Best Wringers and Carpet Sweepers
24.	Wiester & Co.....	Display of House-furnishing Articles
24.	B. F. Van Amringe.....	Magic Window Screen
25.	Main & Winchester.....	Best Horse Collar
25.	Gillespie & Childs.....	Tule Inner-soles for Shoes
25.	Kinkler, Schoening & Co.....	Leather for Button-hole Linings
26.	W. T. Olmstead.....	Samples of Graded Wool
26.	California Silk Culture Development Co.....	Display of Raw Silk
26.	W. R. Gallup.....	Spanish Merino Wool
26.	Julius Weyand.....	Specimens of Mohair
26.	California Wool Scouring Co.....	Samples of Scoured Wool
26.	H. Liebes & Co.....	Furs Cleaned or Colored
26.	Mrs. J. P. Henderson.....	Ermine Trimmings
26.	California State Wool Growers Association.....	Display of Wools
26.	J. H. Glide.....	Spanish Merino Wool
26.	Frank Bullard.....	Spanish Merino Wool
26.	J. B. Hoyt....	Shropshire, and Crosses between Shropshire and Merino Wool.
26.	L. Walker.....	Selection, care and arrangement of California Wools
26.	Immigration Association of California.....	Display of Natural Products
28.	J. M. Litchfield & Co.....	Military Goods
28.	J. M. Litchfield & Co.....	Society Goods, Regalias, etc
29.	Mrs. R. G. Lewis.....	Paper Patterns
29.	Madame Sontenir.....	Feathers and Ornamental Articles
30.	Mrs. Carrie Murray..	Display of Turkish Tobacco and Manufacture of Latakia Cigars.
30.	Technical School of the Cigar Manufacturers' Association..	Cigar Manufacturing.
31.	Royal Mustard Mills.....	Mustard Oil
31.	Wm. Greer.....	Display of California-made Perfumery
31.	Calvert & Co.....	Display of Shropshire Dip for Skin Diseases of Sheep
31.	Mrs. H. M. Rutherford....	Engraving Fluid
31.	Downing & Son.....	Display of Murray & Lanman's Florida Water
31.	H. B. Slavan.....	Display of California Fruit Salt
31.	Kalliodont Manufacturing Co.....	Dental Toilet Articles
31.	California Volcanic Water Co..	Best Natural Mineral Water (Castilian)
31.	Madame Robison.....	Manicure and Cosmetic Articles
31.	Western Perfumery Co.....	Best Flavoring Extracts
33.	Moore & Brady, Baltimore, Md.; Scott, McKean & Co., Agents...	Deep-Sea Oysters.
33.	J. Morton, Jr.....	Parisian Sauce
33.	Richards, Harrison & Sherwood.....	Tea-firing Apparatus
33.	Castle Bros.....	Breakfast Gem
33.	H. B. Birnbaum.....	Cibils' Fluid Extract of Beef

Class.	Name of Exhibitor.	Article.
34.	J. H. Drummond.....	Best Red Wine, Burgundy Type, vintage 1881
34.	Arpad Haraszthy & Co.....	Best Riesling Wine, vintage 1881-1882
34.	J. H. Drummond.....	Best Franc Pinot, vintage 1883
34.	Arpad Haraszthy & Co.....	Zinfandel Table Claret Wine
34.	S. Lachman & Co.....	Gutedel Wine, vintage 1880
34.	J. H. Drummond.....	Best Table Claret Wine, vintage 1881
34.	Arpad Haraszthy & Co.....	Best Port Wine
34.	S. Lachman & Co....	Maderia Wine, vintage 1876, "Best on Exhibition"
34.	J. H. Drummond.....	Best White Wine
34.	Arpad Haraszthy & Co	Best Angelica Wine
34.	J. H. Drummond.....	Sautern Wine, vintage 1882
34.	S. Lachman & Co.....	Best Muscat Wine, vintage 1876
34.	J. H. Drummond.....	Gutedel Wine, vintage 1881
35.	A. Fenkhausen & Co.....	Old Pioneer Whisky
35.	A. Fenkhausen & Co.....	Best Rum Punch
35.	A. Fenkhausen & Co.....	Swedish Bitters
35.	H. L. St. John & Co.....	Root Beer
36.	H. J. Clayton.....	Clayton's Quaker Cook Book, "Original Receipts"
36.	Wm. M. Cubery & Co.....	Display of Society Cards
36.	J. C. Meriam.....	Display of Maps and Atlases
36.	F. A. Labadie.....	Map of the Mexican States
37.	Pacific Gold, Silver & Nickel-plating Works....	Display of Plated-ware
37.	Nat. Raphael & Co.....	Display of the "Mechanic's Watch," made in Switzerland, but designed, put together and regulated by them in San Francisco
38.	California Electrical Works.....	Best Telegraph Printing Apparatus
38.	Electrical Supply Co....	Best Electric Turn-table for Displaying Articles
38.	California Electrical Works.....	Best Electric Pen
38.	John Roach.....	Drawing Instruments
39.	Wm. Beeman.....	Best Assortment of Trusses and Appliances for Deformities.
39.	Pacific Electric Co	Electric Truss
40.	Miss Eva Hare.....	Darned Net Work
40.	Mrs. J. P. Henderson.....	Ermine Trimmings
40.	Miss V. Huppert	Wax Pond Lilies
40.	Mrs. M. B. Henderson.....	Hair Work, Best on Exhibition
40.	Mrs. A. M. Marston.....	Oriental Spread or Scarf
40.	Mrs. J. Griffin, aged 82 years.....	Silk Quilt, containing 500 Pieces
40.	Mrs. Theresa Corlett.....	Decorated Table-top, with Autumn Leaves
40.	Fannie Kalisky.....	Embroidered Table-cover
40.	Mrs. C W. King.....	Crazy Table-Cover
40.	Miss Maria Langrehr.....	Pictures in Embroidery, Best Collection
40.	Mrs. B. Mortensen.....	Spread and Bureau Pieces
40.	Clara Leal, (aged 9 years).....	Crochet Tidy
40.	Francisco Martinez.....	Spanish Drawn Work
40.	Silvia Rottanzi	Worsted and Linen Embroidery

Class.	Name of Exhibitor.	Article.
40.	Mrs. P. A. Fish.....	Painted Crazy Quilt
40.	Mrs. John Fulton.....	Painted Table Drapery
40.	Jacob Fetsch.....	Shell Work, Best Collection
40.	Miss Emma George.....	Crochet Work
40.	Mrs. L. P. Garcin.....	Crochet Tidies
40.	Louis Anderson.....	Best Woolen Mat
40.	Miss Annie Allen.....	Tapestry Picture
40.	Miss S. A. Armstrong.....	Embroidered Sofa Cushion
40.	Mrs. M. Buscelli ..	Crochet Work
40.	Mrs. R. Bakker.....	Knitted Bed Spread, Best on Exhibition
40.	Miss Anna E. Bogle.....	Sofa Cushion Cover and Tidies
40.	Mrs. S. A. Brown.....	Crazy Quilt and Scarf, Best on Exhibition
40.	Maggie C. Corr.....	Air Castle
40.	Miss Carrie Christen.....	Tapestry Picture, Best Display
40.	Miss Annie Cecil.....	Autumn Leaves
40.	Mrs. Theresa Corlett.....	Skeleton Leaves
40.	Mrs. J. E. Cotter.....	Collection of Sea Mosses
40.	Emma I. Cook.....	Best Specimen of Wax-work (Vase and Harp)
40.	Miss Anna Davis.....	Worsted Wreath
40.	Emma I. Cook.....	Bouquet of Wax Flowers
40.	Miss Georgie Davidson.....	Crochet Quilt and Shams
40.	Mrs. Mary Ebeler.....	Best Crochet Spread
40.	Mrs. M. Evans.....	Knitted Lace
40.	Mrs. M. Evans.....	Mexican Drawn Work and Hem-stitching
40.	Miss Gertrude Field.....	Best Display of Wax-work Flowers
40.	Mrs. Sol. Runyon.....	Net-work (largest display)
40.	Mrs. H. L. Rosenblum.....	Patch-work
40.	Mrs. H. L. Rosenblum.....	Best Display of Fine Crochet Work
40.	Mrs. M. E. Steever.....	Afghan
40.	Fannie F. Shamp.....	Hand-made Lace
40.	Bertha White, aged 11 years.....	Crochet Tidy
40.	Misses E. and R. Murray	Display of Native Ferns, Grasses and Mosses of Marin county.
40.	Mrs. Mary Cumming.....	Silk Table-Cover of National Flags, Embroidery and Crazy Patch-work.
40.	Mrs. Wm. Lyne ..	Rustic Tables
40.	Mrs. E. A. Sherman.....	Lace Handkerchief
42.	Miss J. I. Haste.....	Display of Ceramics
42.	Mrs. Louise de Horan.....	Painted Tambourine
42.	Miss M. E. Casey.....	Painted Tidy, in oil
42.	Mrs. F. A. Fish.....	Painting on Satin, Lambrequin
43.	James Linforth.....	Sample of White Bronze Monuments, "Detroit Bronze Co."
43.	M. Roth.....	Best Statuesque, Home Production
43.	Richards & Harrison.....	Japanese Art Statue
43.	J. K. Newton.....	Carved Meerschaum Pipe

PREMIUMS AWARDED.

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Class.	Name of Exhibitor.	Article.
43.	Mrs. S. F. Neil.....	Modeled Mirror
43.	Mrs. H. A. Wastell.....	Repoussé Work
44.	J. A. Hofmann.....	Steel Engravings
44.	Ada E. & Nellie L. Scribner, (aged 6 & 8 years of age)	Crayon Drawing
44.	Eva E. Scribner (aged 10 years of age).....	Crayon Drawing
44.	G. B. Barnard.....	Specimens of Penmanship and Lettering
44.	Miss E. McMahon.....	Map Drawing
44.	W. H. Smyth	Best Original Mechanical Drawing
44.	E. Mc D. Johnstone.....	Engravings on Coal
44.	S. A. Owen... Mechanical Drawing of Compound Marine Steam Engine	
44.	Pupils of Madame Zeitska's Institute... ..	Free-hand Drawing
44.	T. R. Southern.....	Best Card Writing
44.	Ada A. Brewster.....	Pencil Drawing
44.	Mrs. M. K. Irving.....	Crayon Portrait
44.	Miss Lily Ransome.....	Kindergarten Work by children of the Mission Free Kindergarten.
44.	Miss Emma Marwedel.....	Kindergarten Work
45.	Runnels & Stateler.....	Display of Out-door Photography
45.	Master Julius Joshua Klain.....	Photographic Views taken in the Pa- vilion during the Exhibition.
45.	Miss Lizzie Smith.....	Colored Photographs
46.	Miss Sadie Baum.....	Floral Design, Picture Framed on Easel
46.	Mrs. J. Darling	Floral Bouquet
46.	A. Duhem.....	Display of Cut Flowers.
46.	Wm. Meyer & Co.....	Floral Work, Aug. 7th and 13th
47.	Ira F. White.....	Seedling Peaches
47.	Stiles McLaughlin.....	Fox-cling Peaches
47.	M. A. Walton.....	Display of Peaches
47.	M. Vulicevich.....	Native and Imported Fruit
47.	Ira Davenport.....	Display of Native Fruit
47.	L. Lazarus.....	Display of Peaches
47.	James Collins.....	Samples of Fruit
47.	Immigration Association of California... ..	Display of Natural Products

CASH PREMIUMS.

(See Classes 41 and 46.)

REPORTS
—FROM—
STANDING COMMITTEES.
—OF THE—
INDUSTRIAL EXHIBITION.
—o—
BUILDING.

YOUR Committee on Building herewith submit their final report.

Some important changes were made in the Pavilion this year, the principal one being the extension of the main floor 25 feet in width over that portion set apart for the garden, and the construction of a large fountain in the center of the main hall, the pedestal and basin of which was of wood, put together in sections that can be readily taken apart for removal and stowage. A new floor, level with that of the main hall, has been laid in the restaurant, making it much more convenient and easy of entrance for patrons of the Fair, and saving many steps in the service of the kitchen. The skylights over the kitchen have been removed and the whole surface covered with tin—a much needed improvement, as heretofore the breakage of glass and damage caused by leakage has been considerable each year. The removal of seats, erection of tables, partitions, etc., painting, whitening and cleaning, necessarily costs considerable money, but in no way that we can think of can the expense be curtailed. Should the Board decide to make any further permanent changes we recommend the work be commenced in time, to have it entirely completed at least two weeks before the Fair opens. An itemized account of the expenditures in our department will be found in the Financial Report.

The poor and unsatisfactory light in the Art Gallery has been the cause of much complaint at the two last Fairs, and in order to have a creditable exhibit of paintings it became imperative to make a change in the skylights, which was done with success. The gallery is now well lighted, and satisfactory to artists and visitors. We mention these permanent improvements in this report, though the matter properly belongs to the Institute.

Respectfully submitted,

D. A. MACDONALD,

GEO. H. HOPPS,

A. W. STARBIRD,

Committee.

CIRCULARS AND CLASSIFICATION.

THE usual preliminary notice of the Exhibition was prepared and printed in May, and generally distributed throughout the State. The custom of waiting until after the annual election and organization of the new Board, before fixing a date for the Fair or making any positive arrangements, we believe to be a mistake. There can be no good reason for not deciding before January 1st, the above matters. The State Fair and the great Expositions in the East fix their dates generally one year ahead, and find it advantageous to do so. We can find no good reason for not letting the public know we are going to hold a Fair, and also what we propose giving as premiums, so, if it seems desirable, they may have time to prepare a creditable exhibit for competition and exhibition.

If premiums are given, the list requires careful revision, as it must be evident to every one familiar with the matter that many changes are needed and imperatively demanded by the exhibitors.

Respectfully submitted,

BYRON JACKSON,
C. F. BASSETT,
S. J. HENDY,
Committee.

PRINTING.

YOUR Committee has pursued the usual course by advertising generally in the city papers, the amount paid being very reasonable, considering the number of newspapers patronized. We would state here that every one, without exception, we believe, has given us a rate far below the regular prices, and, in addition, favorable notices from first to last, particularly the *daily Press*. Our thanks are due to the proprietors for their goodwill and consideration, and to the reporters, who daily wrote for the public entertaining and descriptive accounts of the Fair, exhibits and attendance.

To the press we are, without doubt, indebted for much of the success of our exhibitions and the goodwill of the public; and we trust the friendly relations existing between it and the Institute may always continue.

The sale of Catalogues was very satisfactory this year, and their credit to the printing account reduces it materially.

An itemized account of all expenses will be found in the Financial Report.

Respectfully submitted,

GEORGE SPAULDING.
C. F. BASSETT,
W. P. STOUT,
Committee.

POWER AND MACHINERY.

YOUR Committee on Power and Machinery beg to report that at the end of the Nineteenth Industrial Fair the machinery, engine, boilers and hoist, are all in good order, requiring no repairs for the next Fair. Before the beginning of this Fair the boilers were thoroughly overhauled, new plates put in the bottom, and an entire set of new tubes. They were tested by the U. S. Inspector and a certificate given for a working pressure of 95 lbs. A permit has also been obtained from the Board of Supervisors to use the boilers in the Pavilion, which we had neglected to ask for when put up in the present place.

Our coal bill for the Fair amounted to \$650 70, that of last year \$640 10. The steam used was much greater than that of last year.

Our repair bills amount to \$598 68, less \$144, the amount for which the old tubes were sold.

The following machinery, not in use, is on hand:

	No.	Diameter.	Face.	Bore.
Pulleys	2	30 in.	12 in.	2 15-16 in.
"	1	30	9	"
"	1	30	21	"
"	4	30	14	"
"	1	30	17	"
" (Wood)	1	32	16	"
" "	1	16	12	"
"	1	16	8	"
"	1	16	8	2 5-8 in.
"	1	16	8	2 1-8 in.
"	1	12	9	"
"	1	10	11	"
Groove Pulleys (Elevator)	4	18		2 in.
"	2	39		2 15-16 in.
Fly Wheels	2	42	7	2 3-4 in.

	No.	Length.	Size.
Shafting	1	12 9-12 feet.	2 15-16 in.
"	1	16 1-2 "	"
"	1	12 "	"
"	1	17 "	"
"	1	16 1-4 "	"
"	1	15 "	"
"	1	12 "	2 5-8 in.
"	1	13 "	"

Couplings, 8 Sets, 11-inch Face, 2 15-16 inch Bore; 1 Set, 2 5-8 inch Bore.

Bracket Boxes, 16, 7 in. deep, 16 in. long.

Hangers, 3, 2 5-8 in. Bore.

One cast iron T 10 in., for water pipe. One cast iron T 6 in., for water pipe.

One cast iron Cross 3 in., for water pipe.

One Slide Gate, 5 in.

6 feet Casing, 5 in.

1 length wrought Tubing, 5 in., 18 feet long. 4 lengths wrought Tubing, 8 in., 20 feet long. 1 length wrought Tubing, 8 in., 12 feet long. 6½ lengths Deep Well Tubing, 7 in. 18 feet long.

One Deep Well Pump, in good order, at W. T. Garratt's.

One Heater and one Governor.

All of which is respectfully submitted,

JAS. SPIERS,

S. J. HENDY,

DAVID KERR,

Committee.

PRIVILEGES.

YOUR Committee on Privileges are pleased to report that the department of privileges has been as successful as usual, the holders in every case being satisfied and well pleased, the only complaint heard being that of having to work too hard to supply customers.

As regards the sale and number of privileges, we think the general plan adopted by the Board and pursued by the Committee to be good, and we recommend no alterations from last year. But there is a matter not previously mentioned by any committee which we deem of great importance and deserving the most serious attention of the Managers. We refer to tickets of admission to holders of privileges and employés. The number asked for is nearly always granted and is far greater than one would suppose, and we believe can and should be cut down to a reasonable figure. The number of employés' tickets issued at the Eighteenth Industrial Exhibition was 667; the greatest number in use at any one time, 617. At the Nineteenth Exhibition, total issued, 549; greatest number in use at one time, 517. You can readily see from this that we have a large attendance each night that does not add to our receipts. In this matter your Committee would recommend that all purchasers of privileges hereafter be required to purchase their employés' tickets, and that we so advertise it in our next call for bids for privileges, as we believe they will pay as much for the privilege and buy their tickets as they do now, and it will save the Committee a great deal of trouble. We would also recommend that no employés' tickets be issued to exhibitors to stands where only dusting or merely cleaning is to be done, as we believe the Institute employés can better attend to it, and thereby reduce a large number of free tickets issued.

The following are the names and amounts of the various privileges sold at the Nineteenth Exhibition:

Geo. Spaulding, Newspaper.....	\$ 500 00
Geo. C. Thompson, Soda.....	827 00
D. S. Ciphers, Ice Cream.....	882 50
Geo. Haas, Candy.....	777 00
Justin Gates, Cider.....	230 00
D. S. Ciphers, Popcorn.....	358 50

D. S. Ciphers, Restaurant.....	\$ 262 50
H. L. St. John, Root Beer... ..	126 00
Wm. Greer, Perfumery.....	120 00
J. L. Hidley, Card Writing.....	50 00
Ichi Ban, Japanese Goods.....	100 00
Mrs. W. P. Rutherford, Cleansing Compound.....	50 00
J. D. Slater & Co., Bluing, and Broom Fastener.....	25 00
A. Duhem, Flowers.....	25 00
E. Dittman, Cards and Fancy Paper Articles.....	25 00
J. Lanthauime, Waffles.....	50 00
W. H. H. Matthay, Opera Glasses.....	25 00
Kaliodont Company, Dental Toilet Articles.....	25 00
J. H. Kruger, Canes.....	25 00
Mme. Robinson, Manicure and Toilet Articles.....	25 00
Russia Cement Company, Glue and Mucilage	25 00
Aristophanes Ham, Card Writing.....	10 00
	<hr/>
	\$4,543 50
Less Amount not Paid.....	25 00
	<hr/>
	\$4,518 50

Respectfully submitted,

DAVID KERR,
JAS. SPIERS,
W. P. STOUT,
Committee.

MUSIC DECORATION AND ART.

THE Committee on Music respectfully report that the introduction of a fountain in the center of the main hall necessitated a change of location for the music stand from that of last year, which was done by moving it nearer the Polk-street end. Placing the noisy machinery outside the main hall gave satisfaction to the visitors and orchestra, who have hitherto been greatly annoyed by undue sound, when quiet was necessary to render and receive the full beauty of the music.

To Professor Charles Schultz and his efficient orchestra of 22 musicians was awarded the contract to furnish the music, and on the same terms as last year.

The selection and rendition of a programme of classical and popular music, with change each day, was well performed, the solos by Mr. Mundwyler on the saxophone and J. Dunnegan on the cornet being artistically rendered and heartily applauded. Mr. Schultz was earnest and indefatigable in his efforts to please, and we hereby tender our thanks for the success attending that department.

A large pipe organ made by Joseph Mayer of this city was prominently located in the gallery, and during the Fair some of our best organists gave morning recitals of classical music; and in afternoons and evenings many brilliant players, both local and visiting, favored an expectant audience with compositions of the great tone masters, besides improvisations of their own. The instrument was highly praised for its good qualities. Several exhibitors of Banjos (some of California manufacture) drew much attention while exhibiting the qualities of their respective instruments.

The recommendation made last year by the Committee that a grand fountain be constructed in the center of the main hall was adopted by this Board, and after due consideration the contract to model and cast the central figures was awarded to F. Marion Wells, the well-known sculptor, he first submitting a model and estimate of expense. The basin of the fountain was made of wood 32 feet in diameter, and from the floor to the apex of the central figure the height was 35 feet.

Perfect harmony in all the parts was preserved, the main central figure representing Neptune being majestic, of fine expression, and showing in its conception fine artistic skill. Mr. Wells kindly loaned two colossal figures which were placed one on each side of the main entrance. The effect of the fountain, on entering the Pavilion and passing up the main aisle, was pleasing, and visitors when first beholding it involuntarily expressed surprise and pleasure. We believe its cost was money well expended. All the parts, basin pedestal and figures included, were so constructed as to be readily taken apart in sections for removal, which has been done, and they can be replaced in that or some other position at a nominal expense.

The decorations were changed from last year so as to destroy as much as possible the general appearance of the interior, so familiar to most of our citizens. We would recommend that the same course be pursued each year, both for the benefit of our Fairs and as an aid in renting the Pavilion after the Exhibition.

The Art Department, we are pleased to report, was an unqualified success. The large and meritorious display made by our local artists, supplemented by loans from our citizens and the large collection from the East, crowded the walls to their utmost limit. By extensive alterations in the skylights and reflectors the gallery has been changed from the poorest in the known world to the best lighted one on this coast. The only thing now needed is to have the walls sheathed with wood, as should have been done in the first place, thereby giving the hanging Committee a chance to place pictures in proper positions without breaking plaster and defacing the interior.

A general satisfaction in the distribution of awards seems to be the feeling among artists, and no doubt the liberal policy pursued by the Board in regard to premiums, if continued in the future, will be productive of much good by inducing emulation among our local artists, and annually affording our citizens and visitors from abroad an opportunity to criticise, praise and compare the genius of California with that of other countries.

The various expenses incurred in the several departments will be found in proper form in the Financial Report.

Respectfully submitted,

J. A. BAUER,
GEO. H. HOPPS,
A. W. STARBIRD,
Committee.

SPECIAL EXHIBITS.

YOUR Committee on Special Exhibits beg leave to present this, their final report:

As authorized by the Board, the exhibition of the embroidery machine of Kraker & Israel was secured at the cost of \$300. It was quite an attraction, but not to the extent anticipated by the Board. It takes a close examination and intelligent explanation to understand its workings, which, of course, could not be afforded to the large numbers visiting the Fair. While a somewhat ponderous machine, yet its workings are so delicate and so liable to be disarranged by careless handling that visitors had to be kept at a distance. The members of this Committee wish to put themselves on record as being opposed in the future to any such appropriations to pay in cash by bargain for an exhibit. Exhibitors should be content to reap their advantage from the advertisement the Fair gives to their machinery and its products, and be satisfied with that and the liberal awards of medals and diplomas always made by the Institute.

As ordered by the Board, the Committee made arrangements with Mr. Jackson to put in his electric motor, or model of a car propelled by electricity on a suspended track. This exhibit cost \$150. Owing to the diminutive size of the car, though the track was prominently placed, it failed to attract as much attention as it deserved and as the Board expected.

As authorized by the Board, the Committee made arrangements with the San Francisco Turn Verein for an athletic exhibition by some of its members on Tuesday evening, August 26th. It is impossible to calculate how much this benefited the receipts on that night, but the exhibition was creditable to the amateur gymnasts who took part and undoubtedly enhanced our receipts.

The five floral days afforded a most pleasing novelty. The amounts expended in premiums on those days was \$1150, and, besides, several medals and diplomas were awarded to amateurs. As was anticipated, the floral exhibit had a marked effect upon the receipts at the door. The money spent in premiums was well invested. The ladies took the greatest interest in these displays. On the different occasions over fifty ladies in all acted as Floral Jurors. The Committee wishes to express its thanks to Mrs. Columbus Waterhouse for the great interest she took in aiding the Committee to secure competent ladies to act as Floral Jurors, and the care she took in per-

sonally notifying them and bringing them together at the times appointed. The Committee also wishes to express the obligation that it and the Managers are under to Mrs. P. B. Cornwall and Mrs. Horace Wilson for coming to the aid of the Committee on Wednesday, August 27th, and volunteering to decorate one of the dinner tables for the beautiful floral display had on that day. These ladies, at the last moment, when one florist was unable to compete, took a table and decorated it. Their effort was so artistic that at the close of that exhibition Messrs. B. Nathan & Co., who furnished the china, glass and silverware, removed the table to the space occupied by them, and from that time to the end of the Fair kept the table decorated in the same way and with flowers of exactly the same kind.

Respectfully submitted,

C. F. BASSETT,

W. P. STOUT,

GEO. H. HOPPS,

Committee.

LOCATION AND POLICE.

Your Committee on Location and Police would report as follows:

After taking charge of duties assigned to us we found it necessary to make many changes in the original plan of the Pavilion. The aisles and walks in the original draft of the floor plan was materially changed from last year, and the exhibits varied to a great extent from former Fairs, so that the task of locating articles on exhibition was found to be quite difficult. Many complaints were made by exhibitors in relation to partitions and signs being either too high or too wide, as they obstructed the view from other parts of the Fair building. Your Committee considered the grounds of complaint were very apparent; but it was rather too late to remedy the evil, without causing great inconvenience, expense and ill-will from those who had already arranged the objectionable obstructions to view, and without sanction of the officers of the Institute. Your Committee still reiterate the recommendation in their last report to the Board: that no signs should be allowed in the Pavilion over six inches wide, except wall signs, so that the view may not be obstructed, and all signs should be placed lengthwise the building and none allowed across. This restriction means signs all over the Pavilion except walls, and we hope that in future Fairs this rule will be rigidly enforced, and that no obstruction to the general view from any part of the Pavilion be allowed. There also should be some particular restriction placed on a certain class of printed circulars distributed from booths and show stands in the Fair during the holding of the Exhibition, as the character of some of them will hardly bear the light of day; hence employes should be cautioned and instructed to watch vigilantly for such circulars and report the same to the Superintendent, who should notify the parties committing the

offense that a repetition of the same would be sufficient cause for their (or his) removal from the Pavilion, and be forever debarred from making an exhibition there.

As has been the custom in former years, your Committee made application to the Chief of Police requesting him to detail some officers for duty at the Pavilion during the Fair. We are pleased to say that the Chief promptly granted our request, and detailed Sergeant Geo. W. Harmon with other officers to report for duty at the Pavilion; and our thanks are due to the Chief and Police Department for promptly granting our request, and to the officers on duty at the Pavilion for their universal courtesy to visitors and vigilance in preventing the presence of any bad characters, or a violation of the rules of the Exhibition.

The watchmen during the day were under the superintendence of T. S. Tweedale, the long and trusted Janitor of the Pavilion, whose vigilance, knowledge of the building, and prompt action have been most valuable. The Night Watch were on duty from 9 P. M. to 8 A. M., and in charge of Sergeant Moore.

We give the names of the employés as taken during the second week of the Fair:

J. H. Gilmore.....	Superintendent
J. H. Culver.....	Secretary
J. R. Martin.....	Superintendent Art Gallery
A. A. Hobe.....	Superintendent Ticket Office
John H. D. Feldbusch.....	Clerk “
Susan K. Allen.....	“ “
C. H. Smith.....	“ “
S. W. Herrick.....	Engineer
V. Harper.....	Fireman
T. S. Tweedale.....	Day Sergeant
W. B. Moore.....	Night Sergeant
Wm. Cameron.....	Entry Clerk
Thos. Jones.....	Entry Clerk
Geo. W. Harmon.....	Door Keeper
James McLea.....	“ “
W. H. Menton.....	“ “
Alex. McLea.....	“ “
Jas. Cole.....	“ “
Mrs. Hodgkiss.....	Ladies' Room
Miss Carrie Creigh.....	Cloak Room
Mrs. Lawson.....	Cloak Room
Samuel N. Grubb.....	Gas Inspector
Taylor Grubb.....	Gas Lighter
Thomas S. Tweedale.....	Attendant on Elevator
H. P. Herrick.....	Carpenter
Thomas Saywell.....	Gardener
W. S. Hopps.....	Art Gallery

W. S. Houghtaling.....	Messenger
H. H. Feldbush.....	"
Jas. H. Riddle.....	Porter
Henry Stevens.....	Day Watch
S. A. Bryant.....	"
R. Richards.....	"
John J. Brady.....	"
A. Lawriston.....	"
David Glenn.....	"
C. P. Barbee.....	"
M. J. Cue.....	"
J. J. Nunan.....	"
George Coleman.....	Night Watch
M. M. Dugan.....	"
D. Flynn.....	"
Geo. Green.....	"
Joseph Grant.....	"
A. L. Rockwood.....	"
H. Savage.....	"

Respectfully submitted,

JAMES PENDERGAST,
GEORGE SPAULDING,
D. A. MACDONALD,
Committee.

TICKETS AND ADMISSIONS.

YOUR Committee on Tickets and Admissions beg leave to present this, their final report:

The Printing Committee printed and delivered to this Committee the following tickets, viz:

6,200.....	Double Season Tickets		
1,500.....	Single	"	"
1,000.....	Children's	"	"
1,000.....	Apprentices'	"	"
1,000.....	Employés'	"	"
500.....	Complimentary	"	"
200.....	Press	"	"
200.....	Jurors'	"	"
7,061.....	Adults' Single Admission	"	
1,944.....	Children's	"	"

In preparing the tickets the usual safeguards were adopted, the *modus operandi* being the same as last year. A member of this Committee was always present while the seal of the Institute was being placed on the tickets. The season tickets were of the same form and general design as those that

gave general satisfaction last year, but had one improvement, viz: the signature of the holder of the ticket was on its face. Through this signature being required there were fewer attempts to transgress the rules, and therefore fewer forfeitures than last year. The system of punching worked equally as well as last year and effectually prevented repeating. No redeemable checks for season tickets were issued; tickets were sold direct, enabling door-keepers from the first day of the Fair to punch the tickets, to register admissions and prevent repeating.

The complimentary tickets were issued by the President, the jurors' by the Secretary, as also were the press, under this Committee's direction. All other forms of tickets were placed in the hands of the Treasurer, whose ticket account we have examined and found correct. Passes good for one admission were issued by the Privilege Committee for 31 persons, by the Superintendent for 105 persons, besides 24 passes for families of Fair employés; by C. H. Bassset for 7 persons, by S. H. Hendy for 4 persons, by James Pendergast for 2 persons, by D. A. Macdonald for 4 persons, by Byron Jackson for 1 person, by James Spiers for 1 person, by G. H. Hopps for 1 person, by Geo. Spaulding for 21 persons, by David Kerr for 20 persons, by W. R. Stout for 16 persons, and by the Secretary for 46 persons, principally on press account. Return-check for season ticket-holders for use at exit door was used in 66 instances. The Librarian at the Institute sold double and single season tickets to members of the Institute at half price. This Committee caused the advertisement of the reduced rate to members to be well distributed, with the effect of securing a large gain in membership.

Respectfully submitted,

W. P. STOUT,
DAVID KERR,
C. F. BASSETT,
Committee.

HORTICULTURAL GARDEN.

At an early day it became evident that more floor space would be required, and, after a careful consideration of the expense and other matters, it was decided to floor over 25 feet in width, and running the entire length of the garden. This was done, necessitating a number of changes and a great curtailment of space for plants and flowers from that of former Fairs. The re-arrangement, however, did not make the serious abridgment as first anticipated, and the fine floral displays made by Messrs. J. H. Sievers and Emil Meyer were attractive, making the garden a favorite resort both day and evening, the electric light being introduced with good effect.

The display of fruit was small, owing in part that no effort was made in time to secure good varieties, and partly for lack of room.

We trust that, next year, an early and earnest effort will be made to have a full and fine display of our Horticultural and Pomological products from all

parts of the State, and to that end steps should be taken at an early day to notify fruit-raisers in various localities of the intention of the Institute.

Respectfully submitted,

GEO. H. HOPPS,
BYRON JACKSON,
GEORGE SPAULDING,
Committee.

GAS AND WATER.

YOUR Committee, to whom was entrusted the duty of supplying artificial light for the illumination of the several departments of the Exposition and water for mechanical and other purposes, are pleased to tender the following as their report, viz:

The cost of illumination during the continuance of the Exposition, within and outside of the building, was as follows, viz:

Gas consumed, 797,700 feet, @ \$1.40	\$1,116 75
Cost of Electric Lights on Street.....	116 00
“ “ “ “ in Horticultural Department.....	116 00
	<hr/>
	\$1,348 75
Gas-fitting and Plumbing Expenses.....	746 97
	<hr/>
	\$2,095 72
Reimbursed by Exhibitors.....	187 00
	<hr/>
Total cost of Lighting.....	\$1,908 72
Cost of Water, 4 5-10 Weeks.....	483 35
	<hr/>
Total cost of Light and Water.....	\$2,392 07

A comparison of the quantity of gas consumed during the term of the Exposition for the years 1883 and 1884 shows as follows, viz:

For 1883.....	801,300 feet
“ 1884.....	797,700 “
	<hr/>
Decrease in 1884.....	3,600 “

But it must be remembered in this connection that a much larger quantity of gas was consumed by non-paying exhibitors, by reason of largely increased exhibits over the year 1883 in gas-burning engines, gas stoves and other gas appliances, and in illuminating a much larger number of booths, etc.

The Machinery Department was lighted, and admirably well lighted, by both the California Electrical Light Company of this city and the Pacific Thompson-Houston Electric Light Company of Sacramento, free of charge to the Institute. Every one interested seemed well satisfied. We respectfully

suggest to the honorable Board of Directors of the Institute that they extend to those Companies a resolution of thanks for their courtesy in furnishing their unequalled illumination.

Respectfully submitted,

S. J. HENDY,
JAS. SPIERS,
C. WATERHOUSE,
Committee.

RULES, REGULATIONS AND AWARDS.

WE most respectfully present the following as our final report:

“Experience is a wise teacher,” says the proverb, which is undoubtedly true, provided we profit by it; but we must confess that notwithstanding the recommendations of previous committees, and the innate knowledge by each member, of the necessity for prompt and imperative action in regard to the appointment of Committees of Award for the examination of articles competing for premiums, this year has been no exception to delay in our department, and the announcement of awards was delayed until after the close of the Exhibition, though published in the Rules to be announced on Monday September 1st.

After a careful consideration of the matter we are led to believe that a partial remedy for the delay can be had by having a less number of committees, whose members would be willing to donate considerable time to the important duties of the position. If possible, the examination of articles should be in the forenoon, or the early part of the afternoon, before visitors are numerous. As a general thing committees make their appointments for the evening, and then other attractions or an undue number around the exhibition prevents, in one case the members being together, and in the other the exhibitor making such explanations and showing of his wares as desired. This matter deserves serious attention, and we trust that at the next Fair such rules may be adopted and action taken as will give exhibitors gaining a prize such advantage as may be derived from having it publicly known before the Exhibition closes.

The medals were struck from the same die as used at former Fairs, and made from gold, silver and bronze, suitably engraved. The design for the diplomas was somewhat changed from last year (as we think, for the better) and makes a very desirable ornament. As the Institute has a very fine and costly die of large size and elaborate design for a bronze medal, the propriety of using it at the next Fair for general awards, with a properly engraved certificate to accompany it, is worthy of consideration. A few (say two or three) of gold and silver might be given for special or most meritorious exhibits, and the balance of bronze, as above stated—all awards to be of the first degree of merit only. It is the plan adopted at all large Inter-

national Expositions, and might be done here to advantage, particularly as we have a suitable die. The cash awards for painting and floral days was money well expended. The floral exhibit was a new and most attractive feature, and should be continued next year. If premiums are given again many and important changes should be made in the premium list, as it must be evident to every member that injustice is liable to occur if the present one is strictly adhered to. This is a most important matter, as this published list is really the foundation on which we must build a stronghold of action that cannot be shaken by sympathetic jurors or disappointed exhibitors. The number, kind and value of premiums is fully set forth in other pages of this Report, as also the names of jurors, and to whom premiums have been awarded, to which we refer for further information.

Respectfully submitted,

A. W. STARBIRD,
JAMES PENDERGAST,
GEORGE SPAULDING,
Committee.







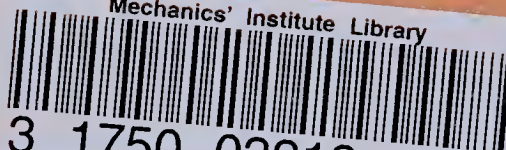


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